

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Houston
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Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-107025-1

Client Project/Site: CB&I Federal Services LLC . . – Houston

For:

CB&I Federal Services LLC
10777 Westheimer Road
Suite 170
Houston, Texas 77042

Attn: Leroy Cassidey

Dean A. Joiner

Authorized for release by:
3/4/2015 2:21:17 PM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Job ID: 600-107025-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative 600-107025-1

Comments

No additional comments.

Receipt

The samples were received on 2/19/2015 5:47 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

Except:

Method(s) 9040B: The following samples cannot be analyzed for pH due to the matrix being an oil:

ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1)

Method(s) SM 2540D: The following samples cannot be analyzed for TSS, due to the TSS method is not compaitable with WASTE matrices:

ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1)

GC/MS VOA

Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: <Foamer><Non-Target peaks>. Elevated reporting limits (RLs) are provided.

Batch: 113408

Method: 8260B

Sample: 600-107025-1,2

Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Evidence of matrix interference is present.

Method(s) 8260B: The method blank for batch 600-156863 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The laboratory control sample (LCS) for batch 156523 recovered outside control limits for the following analyte: Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore,

Case Narrative

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

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Laboratory: TestAmerica Houston (Continued)

re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: (600-107023-1 MS), (600-107023-1 MSD), SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: SAND-COMP6 (600-107025-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: ST5-COMP-021915 (600-107025-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: Surrogate recovery for the following sample(s) was outside control limits: SAND-COMP6 (600-107025-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: The following sample(s) required a dilution due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010B: The method blank for batch 156683 contained Chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010B: The leachate blank for batch 156591 contained Chromium and Selenium above the method detection limit. These target analytes concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SAND-COMP6 (600-107025-3). The reporting limits (RLs) are elevated proportionately.

Method(s) 3510C: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: ST5-COMP-021915 (600-107025-2). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

| Method | Method Description | Protocol | Laboratory |
|---------|---|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL CC |
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL HOU |
| 8270C | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL HOU |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | TAL HOU |
| 6010B | Metals (ICP) | SW846 | TAL NSH |
| 6010B | Metals (ICP) | SW846 | TAL HOU |
| 7470A | Mercury (CVAA) | SW846 | TAL HOU |
| 7471A | Mercury (CVAA) | SW846 | TAL HOU |
| 1010 | Ignitability, Pensky-Martens Closed-Cup Method | SW846 | TAL HOU |
| 7.4.4 | Reactive Sulfide | EPA | TAL HOU |
| 9012 | Cyanide, Reactive | SW846 | TAL HOU |
| 9023 | Organic Halides, Extractable (EOX) | SW846 | TAL CAN |
| 9034 | Sulfide, Acid Soluble and Insoluble (Titrimetric) | SW846 | TAL HOU |
| 9045C | Corrosivity | SW846 | TAL HOU |
| D1796 | Water and Sediment in Fuel Oils | ASTM | TAL CC |
| D92 | Flashpoint | ASTM | TAL HOU |

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 600-107025-1 | ST8-COMP-021915 | Waste | 02/19/15 12:09 | 02/20/15 11:28 |
| 600-107025-2 | ST5-COMP-021915 | Waste | 02/19/15 12:48 | 02/20/15 11:28 |
| 600-107025-3 | SAND-COMP6 | Solid | 02/19/15 14:35 | 02/20/15 11:28 |

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Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acetone | 3.32 | U | 20.0 | 3.32 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Benzene | 1.26 | U | 10.0 | 1.26 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Chlorobromomethane | 3.56 | U | 10.0 | 3.56 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Bromoform | 2.74 | U | 10.0 | 2.74 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Bromomethane | 1.66 | U | 20.0 | 1.66 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 2-Butanone (MEK) | 3.80 | U | 20.0 | 3.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Carbon disulfide | 1.36 | J | 20.0 | 1.10 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Carbon tetrachloride | 2.26 | U | 10.0 | 2.26 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Dibromochloromethane | 1.88 | U | 10.0 | 1.88 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Chlorobenzene | 33.1 | | 10.0 | 1.92 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Chloroethane | 2.80 | U | 20.0 | 2.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Chloroform | 1.32 | U | 10.0 | 1.32 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Chloromethane | 3.32 | U | 20.0 | 3.32 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,1-Dichloroethane | 1.74 | U | 10.0 | 1.74 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,2-Dichloroethane | 1.80 | U | 10.0 | 1.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,1-Dichloroethene | 2.44 | U | 10.0 | 2.44 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| cis-1,2-Dichloroethene | 1.66 | U | 10.0 | 1.66 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| trans-1,2-Dichloroethene | 2.28 | U | 10.0 | 2.28 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,2-Dichloropropane | 1.42 | U | 10.0 | 1.42 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| cis-1,3-Dichloropropene | 1.08 | U | 10.0 | 1.08 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| trans-1,3-Dichloropropene | 1.16 | U | 10.0 | 1.16 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Ethylbenzene | 34.3 | | 10.0 | 2.04 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 2-Hexanone | 2.02 | U | 20.0 | 2.02 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Methylene Chloride | 4.38 | U | 20.0 | 4.38 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 4-Methyl-2-pentanone (MIBK) | 2.94 | U | 20.0 | 2.94 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Styrene | 1.42 | U | 10.0 | 1.42 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,1,1,2-Tetrachloroethane | 1.74 | U | 10.0 | 1.74 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Tetrachloroethene | 1.42 | U | 10.0 | 1.42 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Toluene | 127 | | 10.0 | 2.76 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,1,1-Trichloroethane | 1.48 | U | 10.0 | 1.48 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,1,2-Trichloroethane | 1.46 | U | 80.0 | 1.46 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Trichloroethene | 2.80 | U | 10.0 | 2.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Vinyl acetate | 1.86 | U | 20.0 | 1.86 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Vinyl chloride | 1.80 | U | 20.0 | 1.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| o-Xylene | 58.4 | | 10.0 | 2.26 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| m-Xylene & p-Xylene | 350 | | 10.0 | 3.04 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Xylenes, Total | 408 | | 10.0 | 2.26 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Bromodichloromethane | 1.32 | U | 10.0 | 1.32 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,2-Dichloroethene, Total | 3.80 | U | 20.0 | 3.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:05 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 199 | X | 50 - 130 | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| Dibromofluoromethane | 87 | | 68 - 140 | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 4-Bromofluorobenzene | 108 | | 57 - 140 | 02/23/15 17:00 | 02/24/15 15:05 | 4 |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 61 - 130 | 02/23/15 17:00 | 02/24/15 15:05 | 4 |

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Benzene | 0.0165 | U | 0.500 | 0.0165 | mg/L | | | 03/03/15 13:23 | 50 |
| Carbon tetrachloride | 0.0126 | U | 0.250 | 0.0126 | mg/L | | | 03/03/15 13:23 | 50 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|-----------|-------|---------|------|---|----------|----------------|---------|
| Chlorobenzene | 0.104 | J | 0.250 | 0.00680 | mg/L | | | 03/03/15 13:23 | 50 |
| Chloroform | 0.0100 | U | 0.250 | 0.0100 | mg/L | | | 03/03/15 13:23 | 50 |
| 1,2-Dichloroethane | 0.00800 | U | 0.250 | 0.00800 | mg/L | | | 03/03/15 13:23 | 50 |
| 1,1-Dichloroethene | 0.0150 | U | 0.250 | 0.0150 | mg/L | | | 03/03/15 13:23 | 50 |
| 2-Butanone (MEK) | 0.0500 | U | 1.00 | 0.0500 | mg/L | | | 03/03/15 13:23 | 50 |
| Tetrachloroethene | 0.00945 | U | 0.250 | 0.00945 | mg/L | | | 03/03/15 13:23 | 50 |
| Trichloroethene | 0.0159 | U | 0.250 | 0.0159 | mg/L | | | 03/03/15 13:23 | 50 |
| Vinyl chloride | 0.0150 | U | 0.250 | 0.0150 | mg/L | | | 03/03/15 13:23 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Dibromofluoromethane (Surr)</i> | 101 | | 70 - 130 | | 03/03/15 13:23 | 50 |
| <i>Toluene-d8 (Surr)</i> | 98 | | 70 - 130 | | 03/03/15 13:23 | 50 |
| <i>4-Bromofluorobenzene (Surr)</i> | 101 | | 70 - 130 | | 03/03/15 13:23 | 50 |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 107 | | 70 - 130 | | 03/03/15 13:23 | 50 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 562 | U | 980 | 562 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Acenaphthylene | 572 | U | 980 | 572 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Anthracene | 616 | U | 980 | 616 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzidine | 2450 | U | 9800 | 2450 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzo[a]anthracene | 616 | U | 980 | 616 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzo[b]fluoranthene | 57.4 | U | 980 | 57.4 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzo[k]fluoranthene | 87.4 | U | 980 | 87.4 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzo[g,h,i]perylene | 521 | U | 980 | 521 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzo[a]pyrene | 550 | U | 980 | 550 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Bis(2-chloroethoxy)methane | 553 | U | 980 | 553 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Bis(2-chloroethyl)ether | 98.0 | U | 980 | 98.0 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Bis(2-ethylhexyl) phthalate | 594 | U | 980 | 594 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Bromophenyl phenyl ether | 594 | U | 980 | 594 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Butyl benzyl phthalate | 596 | U | 980 | 596 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Chloroaniline | 196 | U | 980 | 196 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Chloronaphthalene | 638 | U | 980 | 638 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Chlorophenyl phenyl ether | 589 | U | 980 | 589 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Carbazole | 605 | U | 980 | 605 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Chrysene | 599 | U | 980 | 599 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Di-n-butyl phthalate | 633 | U | 980 | 633 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Dibenz(a,h)anthracene | 564 | U | 980 | 564 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Dibenzofuran | 584 | U | 980 | 584 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 1,2-Dichlorobenzene | 78.1 | U | 980 | 78.1 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 1,3-Dichlorobenzene | 529 | U | 980 | 529 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 1,4-Dichlorobenzene | 68.5 | U | 980 | 68.5 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 3,3'-Dichlorobenzidine | 189 | U | 1960 | 189 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Diethyl phthalate | 606 | U | 980 | 606 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Dimethyl phthalate | 593 | U | 980 | 593 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4-Dinitrotoluene | 97.8 | U | 980 | 97.8 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,6-Dinitrotoluene | 623 | U | 980 | 623 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Di-n-octyl phthalate | 634 | U | 980 | 634 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Fluoranthene | 626 | U | 980 | 626 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Fluorene | 604 | U | 980 | 604 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Hexachlorobenzene | 618 | U | 980 | 618 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Hexachlorocyclopentadiene | 66.1 | U | 980 | 66.1 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Hexachloroethane | 88.8 | U | 980 | 88.8 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Hexachlorobutadiene | 101 | U | 980 | 101 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Indeno[1,2,3-cd]pyrene | 538 | U | 980 | 538 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Isophorone | 576 | U | 980 | 576 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Methylnaphthalene | 562 | U | 980 | 562 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Naphthalene | 57.3 | U | 980 | 57.3 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Nitroaniline | 578 | U | 4750 | 578 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 3-Nitroaniline | 629 | U | 4750 | 629 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Nitroaniline | 536 | U | 4750 | 536 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Nitrobenzene | 141 | U | 980 | 141 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| N-Nitrosodimethylamine | 284 | U | 980 | 284 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| N-Nitrosodiphenylamine | 93.7 | U | 980 | 93.7 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| N-Nitrosodi-n-propylamine | 84.9 | U | 980 | 84.9 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Phenanthrene | 603 | U | 980 | 603 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Pyrene | 656 | U | 980 | 656 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 1,2,4-Trichlorobenzene | 626 | U | 980 | 626 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Benzyl alcohol | 185 | U | 980 | 185 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Chloro-3-methylphenol | 570 | U | 980 | 570 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Chlorophenol | 69.2 | U | 980 | 69.2 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Methylphenol | 112 | U | 980 | 112 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 3 & 4 Methylphenol | 89.3 | U | 1960 | 89.3 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4-Dichlorophenol | 543 | U | 980 | 543 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4-Dimethylphenol | 189 | U | 980 | 189 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4,6-Dinitro-2-methylphenol | 614 | U | 4750 | 614 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4-Dinitrophenol | 380 | U | 4750 | 380 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Nitrophenol | 534 | U | 980 | 534 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 4-Nitrophenol | 534 | U | 4750 | 534 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Pentachlorophenol | 65.7 | U | 4750 | 65.7 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Phenol | 111 | U | 980 | 111 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4,5-Trichlorophenol | 184 | U | 980 | 184 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4,6-Trichlorophenol | 535 | U | 980 | 535 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| bis (2-Chloroisopropyl) ether | 103 | U | 980 | 103 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:45 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 0 | X | 46 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Fluorophenol | 0 | X | 45 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2-Fluorobiphenyl | 0 | X | 42 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| 2,4,6-Tribromophenol | 0 | X | 25 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Terphenyl-d14 | 0 | X | 51 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |
| Phenol-d5 (Surr) | 0 | X | 48 - 130 | 02/24/15 10:46 | 02/24/15 13:45 | 10 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | 0.0890 | U | 0.500 | 0.0890 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2,4-Dinitrotoluene | 0.132 | U | 0.500 | 0.132 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2,4,5-Trichlorophenol | 0.136 | U | 0.500 | 0.136 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2,4,6-Trichlorophenol | 0.129 | U | 0.500 | 0.129 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2-Methylphenol | 0.230 | J | 0.500 | 0.0905 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 3 & 4 Methylphenol | 0.293 | J | 1.00 | 0.0940 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Hexachlorobenzene | 0.130 | U | 0.500 | 0.130 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Hexachlorobutadiene | 0.106 | U | 0.500 | 0.106 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Hexachloroethane | 0.110 | U | 0.500 | 0.110 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Nitrobenzene | 0.124 | U | 0.500 | 0.124 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Pentachlorophenol | 0.231 | U | 2.50 | 0.231 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Pyridine | 0.108 | U | 0.500 | 0.108 | mg/L | | 02/24/15 16:11 | 02/25/15 16:17 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 92 | | 35 - 130 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2-Fluorophenol | 53 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2-Fluorobiphenyl | 70 | | 41 - 130 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| 2,4,6-Tribromophenol | 108 | | 12 - 138 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Terphenyl-d14 | 121 | | 43 - 130 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |
| Phenol-d5 (Surr) | 53 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 16:17 | 10 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------------|-----------|-------|------|-------|---|----------------|----------------|---------|
| C6-C12 | 100000 | | 10000 | 3800 | mg/Kg | | 02/23/15 12:31 | 02/24/15 08:56 | 100 |
| >C12-C28 | 612000 | | 10000 | 4060 | mg/Kg | | 02/23/15 12:31 | 02/24/15 08:56 | 100 |
| >C28-C35 | 91000 | | 10000 | 4060 | mg/Kg | | 02/23/15 12:31 | 02/24/15 08:56 | 100 |
| C6-C35 | 803000 | | 10000 | 3800 | mg/Kg | | 02/23/15 12:31 | 02/24/15 08:56 | 100 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 0 | X | 70 - 130 | 02/23/15 12:31 | 02/24/15 08:56 | 100 |

Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Arsenic | 0.874 | U | 1.94 | 0.874 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:12 | 1 |
| Barium | 697 | | 1.94 | 1.55 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:12 | 1 |
| Cadmium | 0.214 | J | 0.971 | 0.0971 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |
| Chromium | 5.75 | | 0.971 | 0.583 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |
| Lead | 2.76 | | 0.971 | 0.485 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |
| Selenium | 0.971 | U | 1.94 | 0.971 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:12 | 1 |
| Silver | 1.01 | | 0.971 | 0.485 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |
| Sodium | 3100 | | 194 | 97.1 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |
| Sulfur | 18800 | B | 48.5 | 19.4 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:02 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|---------------|------------|--------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0330 | J | 0.100 | 0.0328 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Barium | 0.700 | | 0.200 | 0.0220 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Cadmium | 0.00350 | U | 0.0500 | 0.00350 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Chromium | 0.0180 | J B | 0.100 | 0.0155 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Lead | 0.0290 | U | 0.100 | 0.0290 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Selenium | 0.0417 | U | 0.400 | 0.0417 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |
| Silver | 0.0125 | U | 0.100 | 0.0125 | mg/L | | 02/25/15 09:47 | 02/25/15 17:20 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | 0.000820 | U | 0.00200 | 0.000820 | mg/L | | 02/25/15 08:31 | 02/25/15 13:55 | 1 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Mercury | 0.0691 | | 0.0159 | 0.00336 | mg/Kg | | 02/23/15 15:11 | 02/23/15 16:26 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Flashpoint | >186 | | 1.00 | 1.00 | Degrees F | | | 02/26/15 06:35 | 1 |
| Cyanide, Reactive | 0.0814 | U | 0.238 | 0.0814 | mg/Kg | | 02/25/15 11:30 | 02/26/15 13:58 | 1 |
| Halogens, Extractable Organic | 1290 | | 990 | 168 | mg/Kg | | 02/27/15 06:41 | 02/27/15 10:20 | 5 |
| Sulfide, Reactive | 209 | | 47.6 | 13.3 | mg/Kg | | 02/25/15 11:30 | 02/26/15 14:11 | 1 |
| Percent Water | 0.000 | | | | % | | | 02/27/15 14:00 | 1 |

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acetone | 10.8 | J | 50.0 | 8.30 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Benzene | 18.7 | J | 25.0 | 3.15 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Chlorobromomethane | 8.90 | U | 25.0 | 8.90 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Bromoform | 6.85 | U | 25.0 | 6.85 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Bromomethane | 4.15 | U | 50.0 | 4.15 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 2-Butanone (MEK) | 9.50 | U | 50.0 | 9.50 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Carbon disulfide | 2.75 | U | 50.0 | 2.75 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Carbon tetrachloride | 5.65 | U | 25.0 | 5.65 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Dibromochloromethane | 4.70 | U | 25.0 | 4.70 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Chlorobenzene | 19.4 | J | 25.0 | 4.80 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Chloroethane | 7.00 | U | 50.0 | 7.00 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Chloroform | 3.30 | U | 25.0 | 3.30 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Chloromethane | 8.30 | U | 50.0 | 8.30 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,1-Dichloroethane | 4.35 | U | 25.0 | 4.35 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,2-Dichloroethane | 4.50 | U | 25.0 | 4.50 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,1-Dichloroethene | 6.10 | U | 25.0 | 6.10 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| cis-1,2-Dichloroethene | 4.15 | U | 25.0 | 4.15 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| trans-1,2-Dichloroethene | 5.70 | U | 25.0 | 5.70 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,2-Dichloropropane | 3.55 | U | 25.0 | 3.55 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| cis-1,3-Dichloropropene | 2.70 | U | 25.0 | 2.70 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| trans-1,3-Dichloropropene | 2.90 | U | 25.0 | 2.90 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Ethylbenzene | 174 | | 25.0 | 5.10 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 2-Hexanone | 5.05 | U | 50.0 | 5.05 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Methylene Chloride | 11.0 | U | 50.0 | 11.0 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 4-Methyl-2-pentanone (MIBK) | 7.35 | U | 50.0 | 7.35 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Styrene | 18.8 | J | 25.0 | 3.55 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,1,1,2-Tetrachloroethane | 4.35 | U | 25.0 | 4.35 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Tetrachloroethene | 3.55 | U | 25.0 | 3.55 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Toluene | 237 | | 25.0 | 6.90 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,1,1-Trichloroethane | 3.70 | U | 25.0 | 3.70 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,1,2-Trichloroethane | 3.65 | U | 200 | 3.65 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Trichloroethene | 7.00 | U | 25.0 | 7.00 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Vinyl acetate | 4.65 | U | 50.0 | 4.65 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Vinyl chloride | 4.50 | U | 50.0 | 4.50 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| o-Xylene | 248 | | 25.0 | 5.65 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| m-Xylene & p-Xylene | 830 | | 25.0 | 7.60 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Xylenes, Total | 1080 | | 25.0 | 5.65 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| Bromodichloromethane | 3.30 | U | 25.0 | 3.30 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| 1,2-Dichloroethene, Total | 9.50 | U | 50.0 | 9.50 | mg/Kg | | 02/23/15 17:00 | 02/24/15 15:29 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>Toluene-d8 (Surr)</i> | 164 | X | 50 - 130 | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| <i>Dibromofluoromethane</i> | 107 | | 68 - 140 | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| <i>4-Bromofluorobenzene</i> | 134 | | 57 - 140 | 02/23/15 17:00 | 02/24/15 15:29 | 10 |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 105 | | 61 - 130 | 02/23/15 17:00 | 02/24/15 15:29 | 10 |

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|----------------|-----------|--------|---------|------|---|----------|----------------|---------|
| Benzene | 0.155 | | 0.100 | 0.00330 | mg/L | | | 03/03/15 13:47 | 10 |
| Carbon tetrachloride | 0.00251 | U | 0.0500 | 0.00251 | mg/L | | | 03/03/15 13:47 | 10 |
| Chlorobenzene | 0.0349 | J | 0.0500 | 0.00136 | mg/L | | | 03/03/15 13:47 | 10 |
| Chloroform | 0.00218 | J | 0.0500 | 0.00200 | mg/L | | | 03/03/15 13:47 | 10 |
| 1,2-Dichloroethane | 0.00160 | U | 0.0500 | 0.00160 | mg/L | | | 03/03/15 13:47 | 10 |
| 1,1-Dichloroethene | 0.00300 | U | 0.0500 | 0.00300 | mg/L | | | 03/03/15 13:47 | 10 |
| 2-Butanone (MEK) | 0.531 | | 0.200 | 0.0100 | mg/L | | | 03/03/15 13:47 | 10 |
| Tetrachloroethene | 0.00189 | U | 0.0500 | 0.00189 | mg/L | | | 03/03/15 13:47 | 10 |
| Trichloroethene | 0.00317 | U | 0.0500 | 0.00317 | mg/L | | | 03/03/15 13:47 | 10 |
| Vinyl chloride | 0.00300 | U | 0.0500 | 0.00300 | mg/L | | | 03/03/15 13:47 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Dibromofluoromethane (Surr)</i> | 100 | | 70 - 130 | | 03/03/15 13:47 | 10 |
| <i>Toluene-d8 (Surr)</i> | 96 | | 70 - 130 | | 03/03/15 13:47 | 10 |
| <i>4-Bromofluorobenzene (Surr)</i> | 99 | | 70 - 130 | | 03/03/15 13:47 | 10 |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 102 | | 70 - 130 | | 03/03/15 13:47 | 10 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 520 | U | 908 | 520 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Acenaphthylene | 530 | U | 908 | 530 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Anthracene | 571 | U | 908 | 571 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzidine | 2270 | U | 9080 | 2270 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzo[a]anthracene | 571 | U | 908 | 571 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzo[b]fluoranthene | 53.2 | U | 908 | 53.2 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzo[k]fluoranthene | 80.9 | U | 908 | 80.9 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzo[g,h,i]perylene | 482 | U | 908 | 482 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzo[a]pyrene | 509 | U | 908 | 509 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Bis(2-chloroethoxy)methane | 512 | U | 908 | 512 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Bis(2-chloroethyl)ether | 90.8 | U | 908 | 90.8 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Bis(2-ethylhexyl) phthalate | 551 | U | 908 | 551 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Bromophenyl phenyl ether | 550 | U | 908 | 550 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Butyl benzyl phthalate | 552 | U | 908 | 552 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Chloroaniline | 182 | U | 908 | 182 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Chloronaphthalene | 591 | U | 908 | 591 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Chlorophenyl phenyl ether | 546 | U | 908 | 546 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Carbazole | 561 | U | 908 | 561 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Chrysene | 555 | U | 908 | 555 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Di-n-butyl phthalate | 586 | U | 908 | 586 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Dibenz(a,h)anthracene | 522 | U | 908 | 522 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Dibenzofuran | 541 | U | 908 | 541 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 1,2-Dichlorobenzene | 72.4 | U | 908 | 72.4 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 1,3-Dichlorobenzene | 490 | U | 908 | 490 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 1,4-Dichlorobenzene | 63.5 | U | 908 | 63.5 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 3,3'-Dichlorobenzidine | 175 | U | 1820 | 175 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Diethyl phthalate | 562 | U | 908 | 562 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Dimethyl phthalate | 550 | U | 908 | 550 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4-Dinitrotoluene | 90.6 | U | 908 | 90.6 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,6-Dinitrotoluene | 577 | U | 908 | 577 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Di-n-octyl phthalate | 588 | U | 908 | 588 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Fluoranthene | 580 | U | 908 | 580 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Fluorene | 559 | U | 908 | 559 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Hexachlorobenzene | 573 | U | 908 | 573 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Hexachlorocyclopentadiene | 61.3 | U | 908 | 61.3 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Hexachloroethane | 82.3 | U | 908 | 82.3 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Hexachlorobutadiene | 93.4 | U | 908 | 93.4 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Indeno[1,2,3-cd]pyrene | 498 | U | 908 | 498 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Isophorone | 534 | U | 908 | 534 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Methylnaphthalene | 520 | U | 908 | 520 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Naphthalene | 364 | J | 908 | 53.1 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Nitroaniline | 536 | U | 4400 | 536 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 3-Nitroaniline | 582 | U | 4400 | 582 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Nitroaniline | 497 | U | 4400 | 497 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Nitrobenzene | 130 | U | 908 | 130 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| N-Nitrosodimethylamine | 263 | U | 908 | 263 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| N-Nitrosodiphenylamine | 86.8 | U | 908 | 86.8 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| N-Nitrosodi-n-propylamine | 78.7 | U | 908 | 78.7 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Phenanthrene | 559 | U | 908 | 559 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Pyrene | 608 | U | 908 | 608 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 1,2,4-Trichlorobenzene | 580 | U | 908 | 580 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Benzyl alcohol | 172 | U | 908 | 172 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Chloro-3-methylphenol | 529 | U | 908 | 529 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Chlorophenol | 64.1 | U | 908 | 64.1 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Methylphenol | 104 | U | 908 | 104 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 3 & 4 Methylphenol | 82.8 | U | 1820 | 82.8 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4-Dichlorophenol | 503 | U | 908 | 503 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4-Dimethylphenol | 175 | U | 908 | 175 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4,6-Dinitro-2-methylphenol | 569 | U | 4400 | 569 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4-Dinitrophenol | 352 | U | 4400 | 352 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Nitrophenol | 495 | U | 908 | 495 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 4-Nitrophenol | 495 | U | 4400 | 495 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Pentachlorophenol | 60.9 | U | 4400 | 60.9 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Phenol | 103 | U | 908 | 103 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4,5-Trichlorophenol | 171 | U | 908 | 171 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4,6-Trichlorophenol | 496 | U | 908 | 496 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| bis (2-Chloroisopropyl) ether | 95.3 | U | 908 | 95.3 | mg/Kg | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 | 0 | X | 46 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Fluorophenol | 0 | X | 45 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2-Fluorobiphenyl | 0 | X | 42 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| 2,4,6-Tribromophenol | 0 | X | 25 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Terphenyl-d14 | 0 | X | 51 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |
| Phenol-d5 (Surr) | 0 | X | 48 - 130 | | | | 02/24/15 10:46 | 02/24/15 14:17 | 10 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|-----------|----------|-------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | 0.178 | U | 1.00 | 0.178 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2,4-Dinitrotoluene | 0.263 | U | 1.00 | 0.263 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2,4,5-Trichlorophenol | 0.271 | U | 1.00 | 0.271 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2,4,6-Trichlorophenol | 0.259 | U | 1.00 | 0.259 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2-Methylphenol | 0.181 | U | 1.00 | 0.181 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 3 & 4 Methylphenol | 0.493 | J | 2.00 | 0.188 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Hexachlorobenzene | 0.259 | U | 1.00 | 0.259 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Hexachlorobutadiene | 0.212 | U | 1.00 | 0.212 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Hexachloroethane | 0.220 | U | 1.00 | 0.220 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Nitrobenzene | 0.248 | U | 1.00 | 0.248 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Pentachlorophenol | 0.462 | U | 5.00 | 0.462 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Pyridine | 0.216 | U | 1.00 | 0.216 | mg/L | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Nitrobenzene-d5 | 110 | | 35 - 130 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2-Fluorophenol | 52 | | 10 - 130 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2-Fluorobiphenyl | 38 | X | 41 - 130 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| 2,4,6-Tribromophenol | 112 | | 12 - 138 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Terphenyl-d14 | 147 | X | 43 - 130 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |
| Phenol-d5 (Surr) | 58 | | 10 - 130 | | | | 02/24/15 18:41 | 02/25/15 16:38 | 10 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------------|-----------|----------|------|-------|---|----------------|----------------|---------|
| C6-C12 | 95200 | | 10000 | 3800 | mg/Kg | | 02/23/15 12:31 | 02/24/15 09:28 | 100 |
| >C12-C28 | 611000 | | 10000 | 4060 | mg/Kg | | 02/23/15 12:31 | 02/24/15 09:28 | 100 |
| >C28-C35 | 127000 | | 10000 | 4060 | mg/Kg | | 02/23/15 12:31 | 02/24/15 09:28 | 100 |
| C6-C35 | 833000 | | 10000 | 3800 | mg/Kg | | 02/23/15 12:31 | 02/24/15 09:28 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 0 | X | 70 - 130 | | | | 02/23/15 12:31 | 02/24/15 09:28 | 100 |

Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Arsenic | 0.864 | U | 1.92 | 0.864 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:16 | 1 |
| Barium | 299 | | 1.92 | 1.54 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:16 | 1 |
| Cadmium | 0.134 | J | 0.960 | 0.0960 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |
| Chromium | 3.38 | | 0.960 | 0.576 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |
| Lead | 2.15 | | 0.960 | 0.480 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |
| Selenium | 0.960 | U | 1.92 | 0.960 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:16 | 1 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-------------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Silver | 0.480 | U | 0.960 | 0.480 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |
| Sodium | 680 | | 192 | 96.0 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |
| Sulfur | 9890 | B | 48.0 | 19.2 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:06 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0328 | U | 0.100 | 0.0328 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Barium | 0.580 | | 0.200 | 0.0220 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Cadmium | 0.00350 | U | 0.0500 | 0.00350 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Chromium | 0.0155 | U | 0.100 | 0.0155 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Lead | 0.0290 | U | 0.100 | 0.0290 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Selenium | 0.0417 | U | 0.400 | 0.0417 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |
| Silver | 0.0125 | U | 0.100 | 0.0125 | mg/L | | 02/25/15 09:47 | 02/25/15 17:03 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | 0.000820 | U | 0.00200 | 0.000820 | mg/L | | 02/25/15 08:31 | 02/25/15 14:24 | 1 |

Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Mercury | 0.144 | | 0.0165 | 0.00346 | mg/Kg | | 02/23/15 15:11 | 02/23/15 16:28 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|----------------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Flashpoint | >186 | | 1.00 | 1.00 | Degrees F | | | 02/26/15 06:35 | 1 |
| Cyanide, Reactive | 0.0843 | U | 0.247 | 0.0843 | mg/Kg | | 02/25/15 11:30 | 02/26/15 13:58 | 1 |
| Halogens, Extractable Organic | 1030 | | 198 | 33.7 | mg/Kg | | 02/27/15 06:38 | 02/27/15 10:03 | 1 |
| Sulfide, Reactive | 13.8 | U | 49.3 | 13.8 | mg/Kg | | 02/25/15 11:30 | 02/26/15 14:11 | 1 |
| Percent Water | 0.000 | | | | % | | | 02/27/15 14:00 | 1 |

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|----------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone | 0.00484 | J | 0.00986 | 0.00164 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Benzene | 0.000621 | U | 0.00493 | 0.000621 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Bromodichloromethane | 0.000651 | U | 0.00493 | 0.000651 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Bromoform | 0.00135 | U | 0.00493 | 0.00135 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Bromomethane | 0.000819 | U | 0.00986 | 0.000819 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 2-Butanone (MEK) | 0.00187 | U | 0.00986 | 0.00187 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Carbon disulfide | 0.000542 | U | 0.00986 | 0.000542 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Carbon tetrachloride | 0.00111 | U | 0.00493 | 0.00111 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Chlorobenzene | 0.000947 | U | 0.00493 | 0.000947 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Chlorobromomethane | 0.00176 | U | 0.00493 | 0.00176 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Chloroethane | 0.00138 | U | 0.00986 | 0.00138 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Chloroform | 0.000651 | U | 0.00493 | 0.000651 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Chloromethane | 0.00164 | U | 0.00986 | 0.00164 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| cis-1,2-Dichloroethene | 0.000819 | U | 0.00493 | 0.000819 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| cis-1,3-Dichloropropene | 0.000533 | U | 0.00493 | 0.000533 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Dibromochloromethane | 0.000927 | U | 0.00493 | 0.000927 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,1-Dichloroethane | 0.000858 | U | 0.00493 | 0.000858 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,2-Dichloroethane | 0.000888 | U | 0.00493 | 0.000888 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,1-Dichloroethene | 0.00120 | U | 0.00493 | 0.00120 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,2-Dichloroethene, Total | 0.00187 | U | 0.00986 | 0.00187 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,2-Dichloropropane | 0.000700 | U | 0.00493 | 0.000700 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Ethylbenzene | 0.00101 | U | 0.00493 | 0.00101 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 2-Hexanone | 0.000996 | U | 0.00986 | 0.000996 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Methylene Chloride | 0.00216 | U | 0.00986 | 0.00216 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 0.00145 | U | 0.00986 | 0.00145 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| m-Xylene & p-Xylene | 0.00150 | U | 0.00493 | 0.00150 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| o-Xylene | 0.00111 | U | 0.00493 | 0.00111 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Styrene | 0.000700 | U | 0.00493 | 0.000700 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.000858 | U | 0.00493 | 0.000858 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Tetrachloroethene | 0.00197 | J | 0.00493 | 0.000700 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Toluene | 0.00136 | U | 0.00493 | 0.00136 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| trans-1,2-Dichloroethene | 0.00112 | U | 0.00493 | 0.00112 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| trans-1,3-Dichloropropene | 0.000572 | U | 0.00493 | 0.000572 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,1,1-Trichloroethane | 0.000730 | U | 0.00493 | 0.000730 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,1,2-Trichloroethane | 0.000720 | U | 0.0394 | 0.000720 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Trichloroethene | 0.00138 | U | 0.00493 | 0.00138 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Vinyl acetate | 0.000917 | U | 0.00986 | 0.000917 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Vinyl chloride | 0.000888 | U | 0.00986 | 0.000888 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Xylenes, Total | 0.00111 | U | 0.00493 | 0.00111 | mg/Kg | | 02/27/15 11:15 | 02/27/15 14:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 92 | | 57 - 140 | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Dibromofluoromethane | 84 | | 68 - 140 | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 61 - 130 | 02/27/15 11:15 | 02/27/15 14:48 | 1 |
| Toluene-d8 (Surr) | 103 | | 50 - 130 | 02/27/15 11:15 | 02/27/15 14:48 | 1 |

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|----------|-----------|--------|----------|------|---|----------|----------------|---------|
| Benzene | 0.00165 | U | 0.0500 | 0.00165 | mg/L | | | 03/03/15 14:12 | 5 |
| Carbon tetrachloride | 0.00126 | U | 0.0250 | 0.00126 | mg/L | | | 03/03/15 14:12 | 5 |
| Chlorobenzene | 0.000680 | U | 0.0250 | 0.000680 | mg/L | | | 03/03/15 14:12 | 5 |
| Chloroform | 0.00100 | U | 0.0250 | 0.00100 | mg/L | | | 03/03/15 14:12 | 5 |
| 1,2-Dichloroethane | 0.000800 | U | 0.0250 | 0.000800 | mg/L | | | 03/03/15 14:12 | 5 |
| 1,1-Dichloroethene | 0.00150 | U | 0.0250 | 0.00150 | mg/L | | | 03/03/15 14:12 | 5 |
| 2-Butanone (MEK) | 0.00500 | U | 0.100 | 0.00500 | mg/L | | | 03/03/15 14:12 | 5 |
| Tetrachloroethene | 0.000945 | U | 0.0250 | 0.000945 | mg/L | | | 03/03/15 14:12 | 5 |
| Trichloroethene | 0.00159 | U | 0.0250 | 0.00159 | mg/L | | | 03/03/15 14:12 | 5 |
| Vinyl chloride | 0.00150 | U | 0.0250 | 0.00150 | mg/L | | | 03/03/15 14:12 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Dibromofluoromethane (Surr) | 100 | | 70 - 130 | | 03/03/15 14:12 | 5 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 | | 03/03/15 14:12 | 5 |
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | | 03/03/15 14:12 | 5 |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 70 - 130 | | 03/03/15 14:12 | 5 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . – Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Acenaphthene | 7.47 | U | 13.0 | 7.47 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Acenaphthylene | 7.61 | U | 13.0 | 7.61 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Anthracene | 8.20 | U | 13.0 | 8.20 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzidine | 0.357 | U * | 63.2 | 0.357 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzo[a]anthracene | 8.19 | U | 13.0 | 8.19 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzo[b]fluoranthene | 0.764 | U | 13.0 | 0.764 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzo[k]fluoranthene | 1.16 | U | 13.0 | 1.16 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzo[g,h,i]perylene | 6.93 | U | 13.0 | 6.93 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzo[a]pyrene | 7.32 | U | 13.0 | 7.32 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Bis(2-chloroethoxy)methane | 7.36 | U | 13.0 | 7.36 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Bis(2-chloroethyl)ether | 1.30 | U | 13.0 | 1.30 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Bis(2-ethylhexyl) phthalate | 13.9 | | 13.0 | 7.91 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Bromophenyl phenyl ether | 7.91 | U | 13.0 | 7.91 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Butyl benzyl phthalate | 7.93 | U | 13.0 | 7.93 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Chloroaniline | 2.61 | U | 13.0 | 2.61 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Chloronaphthalene | 8.49 | U | 13.0 | 8.49 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Chlorophenyl phenyl ether | 7.84 | U | 13.0 | 7.84 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Carbazole | 8.05 | U | 13.0 | 8.05 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Chrysene | 7.97 | U | 13.0 | 7.97 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Di-n-butyl phthalate | 8.42 | U | 13.0 | 8.42 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Dibenz(a,h)anthracene | 7.50 | U | 13.0 | 7.50 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Dibenzofuran | 7.77 | U | 13.0 | 7.77 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 1,2-Dichlorobenzene | 1.04 | U | 13.0 | 1.04 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 1,3-Dichlorobenzene | 7.04 | U | 13.0 | 7.04 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 1,4-Dichlorobenzene | 0.911 | U | 13.0 | 0.911 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 3,3'-Dichlorobenzidine | 2.51 | U | 26.1 | 2.51 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Diethyl phthalate | 8.07 | U | 13.0 | 8.07 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Dimethyl phthalate | 7.89 | U | 13.0 | 7.89 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4-Dinitrotoluene | 1.30 | U | 13.0 | 1.30 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,6-Dinitrotoluene | 8.29 | U | 13.0 | 8.29 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Di-n-octyl phthalate | 8.44 | U | 13.0 | 8.44 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Fluoranthene | 8.33 | U | 13.0 | 8.33 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Fluorene | 8.03 | U | 13.0 | 8.03 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Hexachlorobenzene | 8.23 | U | 13.0 | 8.23 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Hexachlorocyclopentadiene | 0.880 | U | 13.0 | 0.880 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Hexachloroethane | 1.18 | U | 13.0 | 1.18 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Hexachlorobutadiene | 1.34 | U | 13.0 | 1.34 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Indeno[1,2,3-cd]pyrene | 7.16 | U | 13.0 | 7.16 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Isophorone | 7.66 | U | 13.0 | 7.66 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Methylnaphthalene | 7.47 | U | 13.0 | 7.47 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Naphthalene | 0.782 | J | 13.0 | 0.763 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Nitroaniline | 7.69 | U | 63.2 | 7.69 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 3-Nitroaniline | 8.37 | U | 63.2 | 8.37 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Nitroaniline | 7.13 | U | 63.2 | 7.13 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Nitrobenzene | 1.87 | U | 13.0 | 1.87 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| N-Nitrosodimethylamine | 3.77 | U | 13.0 | 3.77 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| N-Nitrosodiphenylamine | 1.25 | U | 13.0 | 1.25 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| N-Nitrosodi-n-propylamine | 1.13 | U | 13.0 | 1.13 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Phenanthrene | 8.02 | U | 13.0 | 8.02 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Pyrene | 8.73 | U | 13.0 | 8.73 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 1,2,4-Trichlorobenzene | 8.32 | U | 13.0 | 8.32 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Benzyl alcohol | 2.46 | U | 13.0 | 2.46 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Chloro-3-methylphenol | 7.59 | U | 13.0 | 7.59 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Chlorophenol | 0.921 | U | 13.0 | 0.921 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Methylphenol | 2.29 | J | 13.0 | 1.50 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 3 & 4 Methylphenol | 2.36 | J | 26.1 | 1.19 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4-Dichlorophenol | 7.22 | U | 13.0 | 7.22 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4-Dimethylphenol | 2.71 | J | 13.0 | 2.51 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4,6-Dinitro-2-methylphenol | 8.17 | U | 63.2 | 8.17 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4-Dinitrophenol | 5.06 | U | 63.2 | 5.06 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Nitrophenol | 7.11 | U | 13.0 | 7.11 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 4-Nitrophenol | 7.11 | U | 63.2 | 7.11 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Pentachlorophenol | 0.874 | U | 63.2 | 0.874 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Phenol | 1.48 | U | 13.0 | 1.48 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4,5-Trichlorophenol | 2.45 | U | 13.0 | 2.45 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4,6-Trichlorophenol | 7.12 | U | 13.0 | 7.12 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| bis (2-Chloroisopropyl) ether | 1.37 | U | 13.0 | 1.37 | mg/Kg | | 02/23/15 10:50 | 02/24/15 17:25 | 20 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 55 | | 10 - 150 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Fluorophenol | 61 | | 25 - 132 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2-Fluorobiphenyl | 76 | | 38 - 130 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| 2,4,6-Tribromophenol | 72 | | 10 - 148 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Terphenyl-d14 | 77 | | 53 - 134 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |
| Phenol-d5 (Surr) | 62 | | 27 - 123 | 02/23/15 10:50 | 02/24/15 17:25 | 20 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene | 0.00890 | U | 0.0500 | 0.00890 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2,4-Dinitrotoluene | 0.0132 | U | 0.0500 | 0.0132 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2,4,5-Trichlorophenol | 0.0136 | U | 0.0500 | 0.0136 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2,4,6-Trichlorophenol | 0.0129 | U | 0.0500 | 0.0129 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2-Methylphenol | 0.00905 | U | 0.0500 | 0.00905 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 3 & 4 Methylphenol | 0.00940 | U | 0.100 | 0.00940 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Hexachlorobenzene | 0.0130 | U | 0.0500 | 0.0130 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Hexachlorobutadiene | 0.0106 | U | 0.0500 | 0.0106 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Hexachloroethane | 0.0110 | U | 0.0500 | 0.0110 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Nitrobenzene | 0.0124 | U | 0.0500 | 0.0124 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Pentachlorophenol | 0.0231 | U | 0.250 | 0.0231 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Pyridine | 0.0108 | U | 0.0500 | 0.0108 | mg/L | | 02/24/15 16:11 | 02/25/15 15:35 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Phenol-d5 | 47 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Nitrobenzene-d5 | 77 | | 35 - 130 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2-Fluorophenol | 61 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2-Fluorobiphenyl | 87 | | 41 - 130 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| 2,4,6-Tribromophenol | 80 | | 12 - 138 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |
| Terphenyl-d14 | 75 | | 43 - 130 | 02/24/15 16:11 | 02/25/15 15:35 | 1 |

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| C6-C12 | 37.8 | U | 99.4 | 37.8 | mg/Kg | | 02/23/15 12:31 | 02/24/15 10:14 | 10 |
| >C12-C28 | 5250 | | 99.4 | 40.4 | mg/Kg | | 02/23/15 12:31 | 02/24/15 10:14 | 10 |
| >C28-C35 | 2290 | | 99.4 | 40.4 | mg/Kg | | 02/23/15 12:31 | 02/24/15 10:14 | 10 |
| C6-C35 | 7540 | | 99.4 | 37.8 | mg/Kg | | 02/23/15 12:31 | 02/24/15 10:14 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 132 | X | 70 - 130 | | | | 02/23/15 12:31 | 02/24/15 10:14 | 10 |

Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Arsenic | 1.14 | J | 1.96 | 0.881 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:20 | 1 |
| Barium | 68.3 | | 1.96 | 1.57 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:20 | 1 |
| Cadmium | 0.196 | J | 0.978 | 0.0978 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |
| Chromium | 13.2 | | 0.978 | 0.587 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |
| Lead | 12.0 | | 0.978 | 0.489 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |
| Selenium | 0.978 | U | 1.96 | 0.978 | mg/Kg | | 02/26/15 11:58 | 02/27/15 15:20 | 1 |
| Silver | 0.489 | U | 0.978 | 0.489 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |
| Sodium | 359 | | 196 | 97.8 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |
| Sulfur | 1360 | B | 48.9 | 19.6 | mg/Kg | | 02/26/15 11:58 | 02/26/15 18:15 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0328 | U | 0.100 | 0.0328 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Barium | 0.396 | | 0.200 | 0.0220 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Cadmium | 0.00350 | U | 0.0500 | 0.00350 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Chromium | 0.0170 | J B | 0.100 | 0.0155 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Lead | 0.0290 | U | 0.100 | 0.0290 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Selenium | 0.0417 | U | 0.400 | 0.0417 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |
| Silver | 0.0125 | U | 0.100 | 0.0125 | mg/L | | 02/25/15 09:47 | 02/25/15 17:13 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Mercury | 0.0000820 | U | 0.000200 | 0.0000820 | mg/L | | 02/25/15 08:31 | 02/25/15 13:47 | 1 |

Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Mercury | 0.404 | | 0.0165 | 0.00346 | mg/Kg | | 02/23/15 15:11 | 02/23/15 16:46 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|--------|--------|-----------|---|----------------|----------------|---------|
| Sulfide, Reactive | 13.9 | U | 49.5 | 13.9 | mg/Kg | | 02/25/15 11:30 | 02/26/15 14:11 | 1 |
| Cyanide, Reactive | 0.0847 | U | 0.248 | 0.0847 | mg/Kg | | 02/25/15 11:30 | 02/26/15 13:58 | 1 |
| Halogens, Extractable Organic | 49.0 | J | 197 | 33.5 | mg/Kg | | 02/27/15 06:30 | 02/27/15 09:17 | 1 |
| pH | 7.20 | | 0.0100 | 0.0100 | SU | | | 02/25/15 15:40 | 1 |
| Percent Water | 0.000 | | | | % | | | 02/27/15 14:00 | 1 |
| Flashpoint | >212 | | 1.00 | 1.00 | Degrees F | | | 02/26/15 06:35 | 1 |

TestAmerica Houston

Definitions/Glossary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X | Surrogate is outside control limits |

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| X | Surrogate is outside control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| * | LCS or LCSD exceeds the control limits |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| X | Surrogate is outside control limits |
| U | Indicates the analyte was analyzed for but not detected. |

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |
| U | Indicates the analyte was analyzed for but not detected. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Surrogate Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|------------------|------------------------|--|------------------|-------------------|-----------------|
| | | BFB (57-140) | DBFM (68-140) | 12DCE (61-130) | TOL (50-130) |
| 600-107025-3 | SAND-COMP6 | 92 | 84 | 93 | 103 |
| LCS 600-156863/3 | Lab Control Sample | 93 | 98 | 105 | 78 |
| LCS 600-156863/4 | Lab Control Sample Dup | 93 | 99 | 108 | 85 |
| MB 600-156863/6 | Method Blank | 122 | 85 | 84 | 73 |

Surrogate Legend

BFB = 4-Bromofluorobenzene
 DBFM = Dibromofluoromethane
 12DCE = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|------------------|--------------------|--|-----------------|-----------------|-------------------|
| | | DBFM (70-130) | TOL (70-130) | BFB (70-130) | 12DCE (70-130) |
| LCS 560-113408/3 | Lab Control Sample | 102 | 97 | 96 | 99 |
| MB 560-113408/8 | Method Blank | 99 | 90 | 111 | 104 |

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|-------------------|------------------|--|-----------------|-----------------|-------------------|
| | | DBFM (70-130) | TOL (70-130) | BFB (70-130) | 12DCE (70-130) |
| 600-107025-3 | SAND-COMP6 | 100 | 95 | 100 | 106 |
| LB 560-113358/1-A | Method Blank | 104 | 95 | 105 | 107 |

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Waste

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|--------------------|--|------------------|-----------------|-------------------|
| | | TOL (50-130) | DBFM (68-140) | BFB (57-140) | 12DCE (61-130) |
| 600-107025-1 | ST8-COMP-021915 | 199 X | 87 | 108 | 98 |
| 600-107025-2 | ST5-COMP-021915 | 164 X | 107 | 134 | 105 |
| LCS 600-156517/1-A | Lab Control Sample | 100 | 104 | 106 | 101 |

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Waste

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|------------------------|--|------------------|-----------------|-------------------|
| | | TOL (50-130) | DBFM (68-140) | BFB (57-140) | 12DCE (61-130) |
| LCS 600-156517/2-A | Lab Control Sample Dup | 100 | 105 | 103 | 103 |
| MB 600-156517/3-A | Method Blank | 100 | 99 | 103 | 99 |

Surrogate Legend

TOL = Toluene-d8 (Surr)
 DBFM = Dibromofluoromethane
 BFB = 4-Bromofluorobenzene
 12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Waste

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------|------------------|--|-----------------|-----------------|-------------------|
| | | DBFM (70-130) | TOL (70-130) | BFB (70-130) | 12DCE (70-130) |
| 600-107025-1 | ST8-COMP-021915 | 101 | 98 | 101 | 107 |
| 600-107025-2 | ST5-COMP-021915 | 100 | 96 | 99 | 102 |

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | NBZ (10-150) | 2FP (25-132) | FBP (38-130) | TBP (10-148) | TPH (53-134) | PHL (27-123) |
| 600-107025-3 | SAND-COMP6 | 55 | 61 | 76 | 72 | 77 | 62 |
| LCS 600-156523/2-A | Lab Control Sample | 81 | 80 | 84 | 92 | 91 | 68 |
| MB 600-156523/1-A | Method Blank | 78 | 79 | 90 | 48 | 99 | 73 |

Surrogate Legend

NBZ = Nitrobenzene-d5
 2FP = 2-Fluorophenol
 FBP = 2-Fluorobiphenyl
 TBP = 2,4,6-Tribromophenol
 TPH = Terphenyl-d14
 PHL = Phenol-d5 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | | |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | NBZ (35-130) | 2FP (10-130) | FBP (41-130) | TBP (12-138) | TPH (43-130) | PHL (10-130) | PHL (10-130) |
| LCS 600-156643/2-A | Lab Control Sample | 78 | 78 | 85 | 81 | 88 | 78 | 78 |
| MB 600-156643/1-A | Method Blank | 78 | 78 | 92 | 81 | 92 | 75 | 75 |

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Surrogate Legend

NBZ = Nitrobenzene-d5
 2FP = 2-Fluorophenol
 FBP = 2-Fluorobiphenyl
 TBP = 2,4,6-Tribromophenol
 TPH = Terphenyl-d14
 PHL = Phenol-d5 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | | |
|-------------------|------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | PHL (10-130) | PHL (10-130) | NBZ (35-130) | 2FP (10-130) | FBP (41-130) | TBP (12-138) | TPH (43-130) |
| 600-107025-3 | SAND-COMP6 | 47 | 47 | 77 | 61 | 87 | 80 | 75 |
| 600-107025-3 MS | SAND-COMP6 | 50 | 50 | 70 | 63 | 86 | 76 | 88 |
| LB 600-156592/1-D | Method Blank | 45 | 45 | 66 | 58 | 71 | 67 | 86 |

Surrogate Legend

PHL = Phenol-d5
 NBZ = Nitrobenzene-d5
 2FP = 2-Fluorophenol
 FBP = 2-Fluorobiphenyl
 TBP = 2,4,6-Tribromophenol
 TPH = Terphenyl-d14

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Waste

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | NBZ (46-130) | 2FP (45-130) | FBP (42-130) | TBP (25-130) | TPH (51-130) | PHL (48-130) |
| 600-107025-1 | ST8-COMP-021915 | 0 X | 0 X | 0 X | 0 X | 0 X | 0 X |
| 600-107025-2 | ST5-COMP-021915 | 0 X | 0 X | 0 X | 0 X | 0 X | 0 X |
| LCS 600-156603/2-A | Lab Control Sample | 77 | 79 | 84 | 92 | 87 | 72 |
| MB 600-156603/1-A | Method Blank | 85 | 89 | 96 | 99 | 94 | 81 |

Surrogate Legend

NBZ = Nitrobenzene-d5
 2FP = 2-Fluorophenol
 FBP = 2-Fluorobiphenyl
 TBP = 2,4,6-Tribromophenol
 TPH = Terphenyl-d14
 PHL = Phenol-d5 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Waste

Prep Type: TCLP

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|-------------------|------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | NBZ (35-130) | 2FP (10-130) | FBP (41-130) | TBP (12-138) | TPH (43-130) | PHL (10-130) |
| 600-107025-1 | ST8-COMP-021915 | 92 | 53 | 70 | 108 | 121 | 53 |
| 600-107025-2 | ST5-COMP-021915 | 110 | 52 | 38 X | 112 | 147 X | 58 |
| LB 600-156591/1-B | Method Blank | 87 | 78 | 100 | 90 | 102 | 59 |

Surrogate Legend

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
TPH = Terphenyl-d14
PHL = Phenol-d5 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | OTPH (70-130) |
|---------------------|------------------------|------------------|
| 600-107025-3 - DL | SAND-COMP6 | 132 X |
| LCS 600-156532/2-A | Lab Control Sample | 96 |
| LCSD 600-156532/3-A | Lab Control Sample Dup | 94 |
| MB 600-156532/1-A | Method Blank | 92 |

Surrogate Legend

OTPH = o-Terphenyl

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Waste

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | OTPH (70-130) |
|-------------------|------------------|------------------|
| 600-107025-1 - DL | ST8-COMP-021915 | 0 X |
| 600-107025-2 - DL | ST5-COMP-021915 | 0 X |

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-113408/8

Matrix: Solid

Analysis Batch: 113408

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|---------|----------|------|---|----------|----------------|---------|
| Benzene | 0.000330 | U | 0.0100 | 0.000330 | mg/L | | | 03/03/15 12:08 | 1 |
| Carbon tetrachloride | 0.000251 | U | 0.00500 | 0.000251 | mg/L | | | 03/03/15 12:08 | 1 |
| Chlorobenzene | 0.000136 | U | 0.00500 | 0.000136 | mg/L | | | 03/03/15 12:08 | 1 |
| Chloroform | 0.000200 | U | 0.00500 | 0.000200 | mg/L | | | 03/03/15 12:08 | 1 |
| 1,2-Dichloroethane | 0.000160 | U | 0.00500 | 0.000160 | mg/L | | | 03/03/15 12:08 | 1 |
| 1,1-Dichloroethene | 0.000300 | U | 0.00500 | 0.000300 | mg/L | | | 03/03/15 12:08 | 1 |
| 2-Butanone (MEK) | 0.00100 | U | 0.0200 | 0.00100 | mg/L | | | 03/03/15 12:08 | 1 |
| Tetrachloroethene | 0.000189 | U | 0.00500 | 0.000189 | mg/L | | | 03/03/15 12:08 | 1 |
| Trichloroethene | 0.000317 | U | 0.00500 | 0.000317 | mg/L | | | 03/03/15 12:08 | 1 |
| Vinyl chloride | 0.000300 | U | 0.00500 | 0.000300 | mg/L | | | 03/03/15 12:08 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Dibromofluoromethane (Surr) | 99 | | 70 - 130 | | 03/03/15 12:08 | 1 |
| Toluene-d8 (Surr) | 90 | | 70 - 130 | | 03/03/15 12:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | 03/03/15 12:08 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 | | 03/03/15 12:08 | 1 |

Lab Sample ID: LCS 560-113408/3

Matrix: Solid

Analysis Batch: 113408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene | 0.0250 | 0.02919 | | mg/L | | 117 | 70 - 130 |
| Carbon tetrachloride | 0.0250 | 0.02759 | | mg/L | | 110 | 65 - 135 |
| Chlorobenzene | 0.0250 | 0.02564 | | mg/L | | 103 | 70 - 130 |
| Chloroform | 0.0250 | 0.02853 | | mg/L | | 114 | 70 - 130 |
| 1,2-Dichloroethane | 0.0250 | 0.02819 | | mg/L | | 113 | 68 - 130 |
| 1,1-Dichloroethene | 0.0250 | 0.02568 | | mg/L | | 103 | 67 - 130 |
| 2-Butanone (MEK) | 0.0250 | 0.02986 | | mg/L | | 119 | 50 - 158 |
| Tetrachloroethene | 0.0250 | 0.02449 | | mg/L | | 98 | 60 - 130 |
| Trichloroethene | 0.0250 | 0.02810 | | mg/L | | 112 | 70 - 130 |
| Vinyl chloride | 0.0250 | 0.02807 | | mg/L | | 112 | 59 - 139 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Dibromofluoromethane (Surr) | 102 | | 70 - 130 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 70 - 130 |

Lab Sample ID: MB 600-156517/3-A

Matrix: Waste

Analysis Batch: 156524

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156517

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Acetone | 0.208 | U | 1.25 | 0.208 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Benzene | 0.0788 | U | 0.625 | 0.0788 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Bromoform | 0.171 | U | 0.625 | 0.171 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156517/3-A

Matrix: Waste

Analysis Batch: 156524

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156517

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Bromomethane | 0.104 | U | 1.25 | 0.104 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 2-Butanone (MEK) | 0.238 | U | 1.25 | 0.238 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Carbon disulfide | 0.0688 | U | 1.25 | 0.0688 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Carbon tetrachloride | 0.141 | U | 0.625 | 0.141 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Chlorobenzene | 0.120 | U | 0.625 | 0.120 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Chlorobromomethane | 0.223 | U | 0.625 | 0.223 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Chloroethane | 0.175 | U | 1.25 | 0.175 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Chloroform | 0.0825 | U | 0.625 | 0.0825 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Chloromethane | 0.208 | U | 1.25 | 0.208 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| cis-1,2-Dichloroethene | 0.104 | U | 0.625 | 0.104 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Dibromochloromethane | 0.118 | U | 0.625 | 0.118 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,1-Dichloroethane | 0.109 | U | 0.625 | 0.109 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,2-Dichloroethane | 0.113 | U | 0.625 | 0.113 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| cis-1,3-Dichloropropene | 0.0675 | U | 0.625 | 0.0675 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,1-Dichloroethene | 0.153 | U | 0.625 | 0.153 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,2-Dichloropropane | 0.0888 | U | 0.625 | 0.0888 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Ethylbenzene | 0.128 | U | 0.625 | 0.128 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 2-Hexanone | 0.126 | U | 1.25 | 0.126 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Methylene Chloride | 0.274 | U | 1.25 | 0.274 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 0.184 | U | 1.25 | 0.184 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Styrene | 0.0888 | U | 0.625 | 0.0888 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.109 | U | 0.625 | 0.109 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Tetrachloroethene | 0.0888 | U | 0.625 | 0.0888 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Toluene | 0.173 | U | 0.625 | 0.173 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| o-Xylene | 0.141 | U | 0.625 | 0.141 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| m-Xylene & p-Xylene | 0.190 | U | 0.625 | 0.190 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| trans-1,2-Dichloroethene | 0.143 | U | 0.625 | 0.143 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| trans-1,3-Dichloropropene | 0.0725 | U | 0.625 | 0.0725 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,1,1-Trichloroethane | 0.0925 | U | 0.625 | 0.0925 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,1,2-Trichloroethane | 0.0913 | U | 5.00 | 0.0913 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Trichloroethene | 0.175 | U | 0.625 | 0.175 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Vinyl acetate | 0.116 | U | 1.25 | 0.116 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Bromodichloromethane | 0.0825 | U | 0.625 | 0.0825 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Vinyl chloride | 0.113 | U | 1.25 | 0.113 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,2-Dichloroethene, Total | 0.238 | U | 1.25 | 0.238 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Xylenes, Total | 0.141 | U | 0.625 | 0.141 | mg/Kg | | 02/23/15 10:00 | 02/23/15 15:41 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Toluene-d8 (Surr) | 100 | | 50 - 130 | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| Dibromofluoromethane | 99 | | 68 - 140 | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 4-Bromofluorobenzene | 103 | | 57 - 140 | 02/23/15 10:00 | 02/23/15 15:41 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 61 - 130 | 02/23/15 10:00 | 02/23/15 15:41 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156517/1-A

Matrix: Waste

Analysis Batch: 156524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156517

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acetone | 12.5 | 10.97 | | mg/Kg | | 88 | 13 - 150 |
| Benzene | 6.25 | 6.118 | | mg/Kg | | 98 | 70 - 131 |
| Bromoform | 6.25 | 5.300 | | mg/Kg | | 85 | 43 - 150 |
| Bromomethane | 6.25 | 6.149 | | mg/Kg | | 98 | 37 - 147 |
| 2-Butanone (MEK) | 12.5 | 11.65 | | mg/Kg | | 93 | 33 - 150 |
| Carbon disulfide | 6.25 | 6.009 | | mg/Kg | | 96 | 51 - 141 |
| Carbon tetrachloride | 6.25 | 6.305 | | mg/Kg | | 101 | 58 - 130 |
| Chlorobenzene | 6.25 | 6.063 | | mg/Kg | | 97 | 63 - 131 |
| Chlorobromomethane | 6.25 | 6.363 | | mg/Kg | | 102 | 70 - 132 |
| Chloroethane | 6.25 | 6.436 | | mg/Kg | | 103 | 40 - 150 |
| Chloroform | 6.25 | 6.333 | | mg/Kg | | 101 | 69 - 130 |
| Chloromethane | 6.25 | 6.062 | | mg/Kg | | 97 | 44 - 141 |
| cis-1,2-Dichloroethene | 6.25 | 6.262 | | mg/Kg | | 100 | 70 - 130 |
| Dibromochloromethane | 6.25 | 6.042 | | mg/Kg | | 97 | 65 - 134 |
| 1,1-Dichloroethane | 6.25 | 6.335 | | mg/Kg | | 101 | 63 - 140 |
| 1,2-Dichloroethane | 6.25 | 6.454 | | mg/Kg | | 103 | 58 - 137 |
| cis-1,3-Dichloropropene | 6.25 | 5.854 | | mg/Kg | | 94 | 65 - 130 |
| 1,1-Dichloroethene | 6.25 | 6.077 | | mg/Kg | | 97 | 62 - 142 |
| 1,2-Dichloropropane | 6.25 | 6.258 | | mg/Kg | | 100 | 70 - 130 |
| Ethylbenzene | 6.25 | 6.080 | | mg/Kg | | 97 | 66 - 130 |
| 2-Hexanone | 12.5 | 12.13 | | mg/Kg | | 97 | 35 - 150 |
| Methylene Chloride | 6.25 | 5.587 | | mg/Kg | | 89 | 61 - 150 |
| 4-Methyl-2-pentanone (MIBK) | 12.5 | 12.58 | | mg/Kg | | 101 | 21 - 150 |
| Styrene | 6.25 | 6.158 | | mg/Kg | | 99 | 65 - 133 |
| 1,1,2,2-Tetrachloroethane | 6.25 | 5.094 | | mg/Kg | | 82 | 61 - 138 |
| Tetrachloroethene | 6.25 | 6.045 | | mg/Kg | | 97 | 43 - 143 |
| Toluene | 6.25 | 5.988 | | mg/Kg | | 96 | 67 - 130 |
| o-Xylene | 6.25 | 6.088 | | mg/Kg | | 97 | 62 - 130 |
| m-Xylene & p-Xylene | 6.25 | 6.119 | | mg/Kg | | 98 | 64 - 130 |
| trans-1,2-Dichloroethene | 6.25 | 5.997 | | mg/Kg | | 96 | 69 - 130 |
| trans-1,3-Dichloropropene | 6.25 | 5.901 | | mg/Kg | | 94 | 70 - 130 |
| 1,1,1-Trichloroethane | 6.25 | 6.404 | | mg/Kg | | 102 | 59 - 130 |
| 1,1,2-Trichloroethane | 6.25 | 5.816 | | mg/Kg | | 93 | 67 - 134 |
| Trichloroethene | 6.25 | 6.386 | | mg/Kg | | 102 | 63 - 135 |
| Vinyl acetate | 12.5 | 12.93 | | mg/Kg | | 103 | 40 - 150 |
| Bromodichloromethane | 6.25 | 6.296 | | mg/Kg | | 101 | 67 - 138 |
| Vinyl chloride | 6.25 | 5.723 | | mg/Kg | | 92 | 40 - 148 |
| 1,2-Dichloroethene, Total | 12.5 | 12.26 | | mg/Kg | | 98 | 70 - 130 |
| Xylenes, Total | 12.5 | 12.21 | | mg/Kg | | 98 | 63 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr) | 100 | | 50 - 130 |
| Dibromofluoromethane | 104 | | 68 - 140 |
| 4-Bromofluorobenzene | 106 | | 57 - 140 |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 61 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 600-156517/2-A

Matrix: Waste

Analysis Batch: 156524

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 156517

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD | Limit |
|-----------------------------|-------------|-------------|----------------|-------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| Acetone | 12.5 | 10.85 | | mg/Kg | | 87 | 13 - 150 | 1 | 30 | |
| Benzene | 6.25 | 6.257 | | mg/Kg | | 100 | 70 - 131 | 2 | 30 | |
| Bromoform | 6.25 | 5.218 | | mg/Kg | | 83 | 43 - 150 | 2 | 30 | |
| Bromomethane | 6.25 | 6.572 | | mg/Kg | | 105 | 37 - 147 | 7 | 30 | |
| 2-Butanone (MEK) | 12.5 | 11.50 | | mg/Kg | | 92 | 33 - 150 | 1 | 30 | |
| Carbon disulfide | 6.25 | 6.036 | | mg/Kg | | 97 | 51 - 141 | 0 | 30 | |
| Carbon tetrachloride | 6.25 | 6.243 | | mg/Kg | | 100 | 58 - 130 | 1 | 30 | |
| Chlorobenzene | 6.25 | 6.127 | | mg/Kg | | 98 | 63 - 131 | 1 | 30 | |
| Chlorobromomethane | 6.25 | 6.550 | | mg/Kg | | 105 | 70 - 132 | 3 | 30 | |
| Chloroethane | 6.25 | 7.008 | | mg/Kg | | 112 | 40 - 150 | 9 | 30 | |
| Chloroform | 6.25 | 6.296 | | mg/Kg | | 101 | 69 - 130 | 1 | 30 | |
| Chloromethane | 6.25 | 6.297 | | mg/Kg | | 101 | 44 - 141 | 4 | 30 | |
| cis-1,2-Dichloroethene | 6.25 | 6.357 | | mg/Kg | | 102 | 70 - 130 | 2 | 30 | |
| Dibromochloromethane | 6.25 | 6.015 | | mg/Kg | | 96 | 65 - 134 | 0 | 30 | |
| 1,1-Dichloroethane | 6.25 | 6.391 | | mg/Kg | | 102 | 63 - 140 | 1 | 30 | |
| 1,2-Dichloroethane | 6.25 | 6.591 | | mg/Kg | | 105 | 58 - 137 | 2 | 30 | |
| cis-1,3-Dichloropropene | 6.25 | 5.732 | | mg/Kg | | 92 | 65 - 130 | 2 | 30 | |
| 1,1-Dichloroethene | 6.25 | 6.035 | | mg/Kg | | 97 | 62 - 142 | 1 | 30 | |
| 1,2-Dichloropropane | 6.25 | 6.316 | | mg/Kg | | 101 | 70 - 130 | 1 | 30 | |
| Ethylbenzene | 6.25 | 6.151 | | mg/Kg | | 98 | 66 - 130 | 1 | 30 | |
| 2-Hexanone | 12.5 | 11.92 | | mg/Kg | | 95 | 35 - 150 | 2 | 30 | |
| Methylene Chloride | 6.25 | 5.501 | | mg/Kg | | 88 | 61 - 150 | 2 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | 12.5 | 12.58 | | mg/Kg | | 101 | 21 - 150 | 0 | 30 | |
| Styrene | 6.25 | 6.167 | | mg/Kg | | 99 | 65 - 133 | 0 | 30 | |
| 1,1,2,2-Tetrachloroethane | 6.25 | 5.089 | | mg/Kg | | 81 | 61 - 138 | 0 | 30 | |
| Tetrachloroethene | 6.25 | 5.770 | | mg/Kg | | 92 | 43 - 143 | 5 | 30 | |
| Toluene | 6.25 | 5.858 | | mg/Kg | | 94 | 67 - 130 | 2 | 30 | |
| o-Xylene | 6.25 | 6.175 | | mg/Kg | | 99 | 62 - 130 | 1 | 30 | |
| m-Xylene & p-Xylene | 6.25 | 6.109 | | mg/Kg | | 98 | 64 - 130 | 0 | 30 | |
| trans-1,2-Dichloroethene | 6.25 | 5.950 | | mg/Kg | | 95 | 69 - 130 | 1 | 30 | |
| trans-1,3-Dichloropropene | 6.25 | 5.922 | | mg/Kg | | 95 | 70 - 130 | 0 | 30 | |
| 1,1,1-Trichloroethane | 6.25 | 6.363 | | mg/Kg | | 102 | 59 - 130 | 1 | 30 | |
| 1,1,2-Trichloroethane | 6.25 | 5.783 | | mg/Kg | | 93 | 67 - 134 | 1 | 30 | |
| Trichloroethene | 6.25 | 6.381 | | mg/Kg | | 102 | 63 - 135 | 0 | 30 | |
| Vinyl acetate | 12.5 | 13.17 | | mg/Kg | | 105 | 40 - 150 | 2 | 30 | |
| Bromodichloromethane | 6.25 | 6.388 | | mg/Kg | | 102 | 67 - 138 | 1 | 30 | |
| Vinyl chloride | 6.25 | 6.020 | | mg/Kg | | 96 | 40 - 148 | 5 | 30 | |
| 1,2-Dichloroethene, Total | 12.5 | 12.31 | | mg/Kg | | 98 | 70 - 130 | 0 | 30 | |
| Xylenes, Total | 12.5 | 12.28 | | mg/Kg | | 98 | 63 - 130 | 1 | 30 | |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr) | 100 | | 50 - 130 |
| Dibromofluoromethane | 105 | | 68 - 140 |
| 4-Bromofluorobenzene | 103 | | 57 - 140 |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 61 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156863/6

Matrix: Solid

Analysis Batch: 156863

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|---------|----------|-------|---|----------|----------------|---------|
| Acetone | 0.00166 | U | 0.0100 | 0.00166 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Benzene | 0.000630 | U | 0.00500 | 0.000630 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Bromoform | 0.00137 | U | 0.00500 | 0.00137 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Bromomethane | 0.000830 | U | 0.0100 | 0.000830 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 2-Butanone (MEK) | 0.00190 | U | 0.0100 | 0.00190 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Carbon disulfide | 0.000550 | U | 0.0100 | 0.000550 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Carbon tetrachloride | 0.00113 | U | 0.00500 | 0.00113 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Chlorobenzene | 0.000960 | U | 0.00500 | 0.000960 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Chlorobromomethane | 0.00178 | U | 0.00500 | 0.00178 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Chloroethane | 0.00140 | U | 0.0100 | 0.00140 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Chloroform | 0.0007685 | J | 0.00500 | 0.000660 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Chloromethane | 0.00166 | U | 0.0100 | 0.00166 | mg/Kg | | | 02/27/15 11:27 | 1 |
| cis-1,2-Dichloroethene | 0.000830 | U | 0.00500 | 0.000830 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Dibromochloromethane | 0.000940 | U | 0.00500 | 0.000940 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,1-Dichloroethane | 0.000870 | U | 0.00500 | 0.000870 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,2-Dichloroethane | 0.000900 | U | 0.00500 | 0.000900 | mg/Kg | | | 02/27/15 11:27 | 1 |
| cis-1,3-Dichloropropene | 0.000540 | U | 0.00500 | 0.000540 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,1-Dichloroethene | 0.00122 | U | 0.00500 | 0.00122 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,2-Dichloropropane | 0.000710 | U | 0.00500 | 0.000710 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Ethylbenzene | 0.00102 | U | 0.00500 | 0.00102 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 2-Hexanone | 0.00101 | U | 0.0100 | 0.00101 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Methylene Chloride | 0.00219 | U | 0.0100 | 0.00219 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 0.00147 | U | 0.0100 | 0.00147 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Styrene | 0.000710 | U | 0.00500 | 0.000710 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.000870 | U | 0.00500 | 0.000870 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Tetrachloroethene | 0.000710 | U | 0.00500 | 0.000710 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Toluene | 0.00138 | U | 0.00500 | 0.00138 | mg/Kg | | | 02/27/15 11:27 | 1 |
| o-Xylene | 0.00113 | U | 0.00500 | 0.00113 | mg/Kg | | | 02/27/15 11:27 | 1 |
| m-Xylene & p-Xylene | 0.00152 | U | 0.00500 | 0.00152 | mg/Kg | | | 02/27/15 11:27 | 1 |
| trans-1,2-Dichloroethene | 0.00114 | U | 0.00500 | 0.00114 | mg/Kg | | | 02/27/15 11:27 | 1 |
| trans-1,3-Dichloropropene | 0.000580 | U | 0.00500 | 0.000580 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,1,1-Trichloroethane | 0.000740 | U | 0.00500 | 0.000740 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,1,2-Trichloroethane | 0.000730 | U | 0.0400 | 0.000730 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Trichloroethene | 0.00140 | U | 0.00500 | 0.00140 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Vinyl acetate | 0.000930 | U | 0.0100 | 0.000930 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Bromodichloromethane | 0.000660 | U | 0.00500 | 0.000660 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Vinyl chloride | 0.000900 | U | 0.0100 | 0.000900 | mg/Kg | | | 02/27/15 11:27 | 1 |
| 1,2-Dichloroethene, Total | 0.00190 | U | 0.0100 | 0.00190 | mg/Kg | | | 02/27/15 11:27 | 1 |
| Xylenes, Total | 0.00113 | U | 0.00500 | 0.00113 | mg/Kg | | | 02/27/15 11:27 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 73 | | 50 - 130 | | 02/27/15 11:27 | 1 |
| Dibromofluoromethane | 85 | | 68 - 140 | | 02/27/15 11:27 | 1 |
| 4-Bromofluorobenzene | 122 | | 57 - 140 | | 02/27/15 11:27 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 61 - 130 | | 02/27/15 11:27 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156863/3

Matrix: Solid

Analysis Batch: 156863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acetone | 0.100 | 0.1010 | | mg/Kg | | 101 | 13 - 150 |
| Benzene | 0.0500 | 0.04989 | | mg/Kg | | 100 | 70 - 131 |
| Bromoform | 0.0500 | 0.04391 | | mg/Kg | | 88 | 43 - 150 |
| Bromomethane | 0.0500 | 0.05401 | | mg/Kg | | 108 | 37 - 147 |
| 2-Butanone (MEK) | 0.100 | 0.09105 | | mg/Kg | | 91 | 33 - 150 |
| Carbon disulfide | 0.0500 | 0.03912 | | mg/Kg | | 78 | 51 - 141 |
| Carbon tetrachloride | 0.0500 | 0.04166 | | mg/Kg | | 83 | 58 - 130 |
| Chlorobenzene | 0.0500 | 0.03929 | | mg/Kg | | 79 | 63 - 131 |
| Chlorobromomethane | 0.0500 | 0.04788 | | mg/Kg | | 96 | 70 - 132 |
| Chloroethane | 0.0500 | 0.05638 | | mg/Kg | | 113 | 40 - 150 |
| Chloroform | 0.0500 | 0.04962 | | mg/Kg | | 99 | 69 - 130 |
| Chloromethane | 0.0500 | 0.05186 | | mg/Kg | | 104 | 44 - 141 |
| cis-1,2-Dichloroethene | 0.0500 | 0.04859 | | mg/Kg | | 97 | 70 - 130 |
| Dibromochloromethane | 0.0500 | 0.03862 | | mg/Kg | | 77 | 65 - 134 |
| 1,1-Dichloroethane | 0.0500 | 0.04802 | | mg/Kg | | 96 | 63 - 140 |
| 1,2-Dichloroethane | 0.0500 | 0.04760 | | mg/Kg | | 95 | 58 - 137 |
| cis-1,3-Dichloropropene | 0.0500 | 0.04067 | | mg/Kg | | 81 | 65 - 130 |
| 1,1-Dichloroethene | 0.0500 | 0.04481 | | mg/Kg | | 90 | 62 - 142 |
| 1,2-Dichloropropane | 0.0500 | 0.05160 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.0500 | 0.03936 | | mg/Kg | | 79 | 66 - 130 |
| 2-Hexanone | 0.100 | 0.07824 | | mg/Kg | | 78 | 35 - 150 |
| Methylene Chloride | 0.0500 | 0.05040 | | mg/Kg | | 101 | 61 - 150 |
| 4-Methyl-2-pentanone (MIBK) | 0.100 | 0.09899 | | mg/Kg | | 99 | 21 - 150 |
| Styrene | 0.0500 | 0.03895 | | mg/Kg | | 78 | 65 - 133 |
| 1,1,2,2-Tetrachloroethane | 0.0500 | 0.04671 | | mg/Kg | | 93 | 61 - 138 |
| Tetrachloroethene | 0.0500 | 0.03505 | | mg/Kg | | 70 | 43 - 143 |
| Toluene | 0.0500 | 0.03966 | | mg/Kg | | 79 | 67 - 130 |
| o-Xylene | 0.0500 | 0.04067 | | mg/Kg | | 81 | 62 - 130 |
| m-Xylene & p-Xylene | 0.0500 | 0.04018 | | mg/Kg | | 80 | 64 - 130 |
| trans-1,2-Dichloroethene | 0.0500 | 0.04573 | | mg/Kg | | 91 | 69 - 130 |
| trans-1,3-Dichloropropene | 0.0500 | 0.04054 | | mg/Kg | | 81 | 70 - 130 |
| 1,1,1-Trichloroethane | 0.0500 | 0.04329 | | mg/Kg | | 87 | 59 - 130 |
| 1,1,2-Trichloroethane | 0.0500 | 0.03926 | J | mg/Kg | | 79 | 67 - 134 |
| Trichloroethene | 0.0500 | 0.04687 | | mg/Kg | | 94 | 63 - 135 |
| Vinyl acetate | 0.100 | 0.1034 | | mg/Kg | | 103 | 40 - 150 |
| Bromodichloromethane | 0.0500 | 0.04940 | | mg/Kg | | 99 | 67 - 138 |
| Vinyl chloride | 0.0500 | 0.05644 | | mg/Kg | | 113 | 40 - 148 |
| 1,2-Dichloroethene, Total | 0.100 | 0.09432 | | mg/Kg | | 94 | 70 - 130 |
| Xylenes, Total | 0.100 | 0.08085 | | mg/Kg | | 81 | 63 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr) | 78 | | 50 - 130 |
| Dibromofluoromethane | 98 | | 68 - 140 |
| 4-Bromofluorobenzene | 93 | | 57 - 140 |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 61 - 130 |

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 600-156863/4

Matrix: Solid

Analysis Batch: 156863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Acetone | 0.100 | 0.1099 | | mg/Kg | | 110 | 13 - 150 | 8 | 30 |
| Benzene | 0.0500 | 0.05041 | | mg/Kg | | 101 | 70 - 131 | 1 | 30 |
| Bromoform | 0.0500 | 0.04548 | | mg/Kg | | 91 | 43 - 150 | 4 | 30 |
| Bromomethane | 0.0500 | 0.05697 | | mg/Kg | | 114 | 37 - 147 | 5 | 30 |
| 2-Butanone (MEK) | 0.100 | 0.1008 | | mg/Kg | | 101 | 33 - 150 | 10 | 30 |
| Carbon disulfide | 0.0500 | 0.03986 | | mg/Kg | | 80 | 51 - 141 | 2 | 30 |
| Carbon tetrachloride | 0.0500 | 0.04172 | | mg/Kg | | 83 | 58 - 130 | 0 | 30 |
| Chlorobenzene | 0.0500 | 0.04342 | | mg/Kg | | 87 | 63 - 131 | 10 | 30 |
| Chlorobromomethane | 0.0500 | 0.04913 | | mg/Kg | | 98 | 70 - 132 | 3 | 30 |
| Chloroethane | 0.0500 | 0.05716 | | mg/Kg | | 114 | 40 - 150 | 1 | 30 |
| Chloroform | 0.0500 | 0.05013 | | mg/Kg | | 100 | 69 - 130 | 1 | 30 |
| Chloromethane | 0.0500 | 0.05424 | | mg/Kg | | 108 | 44 - 141 | 4 | 30 |
| cis-1,2-Dichloroethene | 0.0500 | 0.04870 | | mg/Kg | | 97 | 70 - 130 | 0 | 30 |
| Dibromochloromethane | 0.0500 | 0.04333 | | mg/Kg | | 87 | 65 - 134 | 11 | 30 |
| 1,1-Dichloroethane | 0.0500 | 0.04872 | | mg/Kg | | 97 | 63 - 140 | 1 | 30 |
| 1,2-Dichloroethane | 0.0500 | 0.04891 | | mg/Kg | | 98 | 58 - 137 | 3 | 30 |
| cis-1,3-Dichloropropene | 0.0500 | 0.04514 | | mg/Kg | | 90 | 65 - 130 | 10 | 30 |
| 1,1-Dichloroethene | 0.0500 | 0.04395 | | mg/Kg | | 88 | 62 - 142 | 2 | 30 |
| 1,2-Dichloropropane | 0.0500 | 0.05246 | | mg/Kg | | 105 | 70 - 130 | 2 | 30 |
| Ethylbenzene | 0.0500 | 0.04394 | | mg/Kg | | 88 | 66 - 130 | 11 | 30 |
| 2-Hexanone | 0.100 | 0.09342 | | mg/Kg | | 93 | 35 - 150 | 18 | 30 |
| Methylene Chloride | 0.0500 | 0.05072 | | mg/Kg | | 101 | 61 - 150 | 1 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 0.100 | 0.1084 | | mg/Kg | | 108 | 21 - 150 | 9 | 30 |
| Styrene | 0.0500 | 0.04282 | | mg/Kg | | 86 | 65 - 133 | 9 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.0500 | 0.04843 | | mg/Kg | | 97 | 61 - 138 | 4 | 30 |
| Tetrachloroethene | 0.0500 | 0.04010 | | mg/Kg | | 80 | 43 - 143 | 13 | 30 |
| Toluene | 0.0500 | 0.04340 | | mg/Kg | | 87 | 67 - 130 | 9 | 30 |
| o-Xylene | 0.0500 | 0.04488 | | mg/Kg | | 90 | 62 - 130 | 10 | 30 |
| m-Xylene & p-Xylene | 0.0500 | 0.04358 | | mg/Kg | | 87 | 64 - 130 | 8 | 30 |
| trans-1,2-Dichloroethene | 0.0500 | 0.04708 | | mg/Kg | | 94 | 69 - 130 | 3 | 30 |
| trans-1,3-Dichloropropene | 0.0500 | 0.04580 | | mg/Kg | | 92 | 70 - 130 | 12 | 30 |
| 1,1,1-Trichloroethane | 0.0500 | 0.04332 | | mg/Kg | | 87 | 59 - 130 | 0 | 30 |
| 1,1,2-Trichloroethane | 0.0500 | 0.04442 | | mg/Kg | | 89 | 67 - 134 | 12 | 30 |
| Trichloroethene | 0.0500 | 0.04715 | | mg/Kg | | 94 | 63 - 135 | 1 | 30 |
| Vinyl acetate | 0.100 | 0.1066 | | mg/Kg | | 107 | 40 - 150 | 3 | 30 |
| Bromodichloromethane | 0.0500 | 0.05189 | | mg/Kg | | 104 | 67 - 138 | 5 | 30 |
| Vinyl chloride | 0.0500 | 0.05578 | | mg/Kg | | 112 | 40 - 148 | 1 | 30 |
| 1,2-Dichloroethene, Total | 0.100 | 0.09578 | | mg/Kg | | 96 | 70 - 130 | 2 | 30 |
| Xylenes, Total | 0.100 | 0.08846 | | mg/Kg | | 88 | 63 - 130 | 9 | 30 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr) | 85 | | 50 - 130 |
| Dibromofluoromethane | 99 | | 68 - 140 |
| 4-Bromofluorobenzene | 93 | | 57 - 140 |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 61 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 560-113358/1-A

Matrix: Solid

Analysis Batch: 113408

Client Sample ID: Method Blank

Prep Type: TCLP

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|--------|----------|------|---|----------|----------------|---------|
| Benzene | 0.00165 | U | 0.0500 | 0.00165 | mg/L | | | 03/03/15 11:43 | 5 |
| Carbon tetrachloride | 0.00126 | U | 0.0250 | 0.00126 | mg/L | | | 03/03/15 11:43 | 5 |
| Chlorobenzene | 0.000680 | U | 0.0250 | 0.000680 | mg/L | | | 03/03/15 11:43 | 5 |
| Chloroform | 0.00100 | U | 0.0250 | 0.00100 | mg/L | | | 03/03/15 11:43 | 5 |
| 1,2-Dichloroethane | 0.000800 | U | 0.0250 | 0.000800 | mg/L | | | 03/03/15 11:43 | 5 |
| 1,1-Dichloroethene | 0.00150 | U | 0.0250 | 0.00150 | mg/L | | | 03/03/15 11:43 | 5 |
| 2-Butanone (MEK) | 0.00500 | U | 0.100 | 0.00500 | mg/L | | | 03/03/15 11:43 | 5 |
| Tetrachloroethene | 0.000945 | U | 0.0250 | 0.000945 | mg/L | | | 03/03/15 11:43 | 5 |
| Trichloroethene | 0.00159 | U | 0.0250 | 0.00159 | mg/L | | | 03/03/15 11:43 | 5 |
| Vinyl chloride | 0.00150 | U | 0.0250 | 0.00150 | mg/L | | | 03/03/15 11:43 | 5 |

| Surrogate | LB %Recovery | LB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Dibromofluoromethane (Surr) | 104 | | 70 - 130 | | 03/03/15 11:43 | 5 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 | | 03/03/15 11:43 | 5 |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | 03/03/15 11:43 | 5 |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 70 - 130 | | 03/03/15 11:43 | 5 |

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-156523/1-A

Matrix: Solid

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156523

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|-------|---------|-------|---|----------------|----------------|---------|
| Acenaphthene | 0.189 | U | 0.330 | 0.189 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Acenaphthylene | 0.192 | U | 0.330 | 0.192 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Anthracene | 0.207 | U | 0.330 | 0.207 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzidine | 0.00901 | U | 1.60 | 0.00901 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzo[a]anthracene | 0.207 | U | 0.330 | 0.207 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzo[b]fluoranthene | 0.0193 | U | 0.330 | 0.0193 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzo[k]fluoranthene | 0.0294 | U | 0.330 | 0.0294 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzo[g,h,i]perylene | 0.175 | U | 0.330 | 0.175 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzo[a]pyrene | 0.185 | U | 0.330 | 0.185 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Bis(2-chloroethoxy)methane | 0.186 | U | 0.330 | 0.186 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Bis(2-chloroethyl)ether | 0.0330 | U | 0.330 | 0.0330 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Bis(2-ethylhexyl) phthalate | 0.200 | U | 0.330 | 0.200 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Bromophenyl phenyl ether | 0.200 | U | 0.330 | 0.200 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Butyl benzyl phthalate | 0.201 | U | 0.330 | 0.201 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Chloroaniline | 0.0659 | U | 0.330 | 0.0659 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Chloronaphthalene | 0.215 | U | 0.330 | 0.215 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Chlorophenyl phenyl ether | 0.198 | U | 0.330 | 0.198 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Carbazole | 0.204 | U | 0.330 | 0.204 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Chrysene | 0.202 | U | 0.330 | 0.202 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Di-n-butyl phthalate | 0.213 | U | 0.330 | 0.213 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Dibenz(a,h)anthracene | 0.190 | U | 0.330 | 0.190 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Dibenzofuran | 0.197 | U | 0.330 | 0.197 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 1,2-Dichlorobenzene | 0.0263 | U | 0.330 | 0.0263 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156523/1-A

Matrix: Solid

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156523

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,3-Dichlorobenzene | 0.178 | U | 0.330 | 0.178 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 1,4-Dichlorobenzene | 0.0230 | U | 0.330 | 0.0230 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 3,3'-Dichlorobenzidine | 0.0635 | U | 0.660 | 0.0635 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Diethyl phthalate | 0.204 | U | 0.330 | 0.204 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Dimethyl phthalate | 0.200 | U | 0.330 | 0.200 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4-Dinitrotoluene | 0.0329 | U | 0.330 | 0.0329 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,6-Dinitrotoluene | 0.210 | U | 0.330 | 0.210 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Di-n-octyl phthalate | 0.213 | U | 0.330 | 0.213 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Fluoranthene | 0.211 | U | 0.330 | 0.211 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Fluorene | 0.203 | U | 0.330 | 0.203 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Hexachlorobenzene | 0.208 | U | 0.330 | 0.208 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Hexachlorocyclopentadiene | 0.0223 | U | 0.330 | 0.0223 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Hexachloroethane | 0.0299 | U | 0.330 | 0.0299 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Hexachlorobutadiene | 0.0339 | U | 0.330 | 0.0339 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Indeno[1,2,3-cd]pyrene | 0.181 | U | 0.330 | 0.181 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Isophorone | 0.194 | U | 0.330 | 0.194 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Methylnaphthalene | 0.189 | U | 0.330 | 0.189 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Naphthalene | 0.0193 | U | 0.330 | 0.0193 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Nitroaniline | 0.194 | U | 1.60 | 0.194 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 3-Nitroaniline | 0.211 | U | 1.60 | 0.211 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Nitroaniline | 0.180 | U | 1.60 | 0.180 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Nitrobenzene | 0.0474 | U | 0.330 | 0.0474 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| N-Nitrosodimethylamine | 0.0954 | U | 0.330 | 0.0954 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| N-Nitrosodiphenylamine | 0.0315 | U | 0.330 | 0.0315 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| N-Nitrosodi-n-propylamine | 0.0286 | U | 0.330 | 0.0286 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Phenanthrene | 0.203 | U | 0.330 | 0.203 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Pyrene | 0.221 | U | 0.330 | 0.221 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 1,2,4-Trichlorobenzene | 0.210 | U | 0.330 | 0.210 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Benzyl alcohol | 0.0623 | U | 0.330 | 0.0623 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Chloro-3-methylphenol | 0.192 | U | 0.330 | 0.192 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Chlorophenol | 0.0233 | U | 0.330 | 0.0233 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Methylphenol | 0.0378 | U | 0.330 | 0.0378 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 3 & 4 Methylphenol | 0.0300 | U | 0.660 | 0.0300 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4-Dichlorophenol | 0.183 | U | 0.330 | 0.183 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4-Dimethylphenol | 0.0636 | U | 0.330 | 0.0636 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4,6-Dinitro-2-methylphenol | 0.206 | U | 1.60 | 0.206 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4-Dinitrophenol | 0.128 | U | 1.60 | 0.128 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Nitrophenol | 0.180 | U | 0.330 | 0.180 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 4-Nitrophenol | 0.180 | U | 1.60 | 0.180 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Pentachlorophenol | 0.0221 | U | 1.60 | 0.0221 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Phenol | 0.0373 | U | 0.330 | 0.0373 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4,5-Trichlorophenol | 0.0620 | U | 0.330 | 0.0620 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4,6-Trichlorophenol | 0.180 | U | 0.330 | 0.180 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| bis (2-Chloroisopropyl) ether | 0.0346 | U | 0.330 | 0.0346 | mg/Kg | | 02/23/15 10:50 | 02/24/15 10:37 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|-----------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 | 78 | | 10 - 150 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2-Fluorophenol | 79 | | 25 - 132 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156523/1-A

Matrix: Solid

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156523

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 2-Fluorobiphenyl | 90 | | 38 - 130 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| 2,4,6-Tribromophenol | 48 | | 10 - 148 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Terphenyl-d14 | 99 | | 53 - 134 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |
| Phenol-d5 (Surr) | 73 | | 27 - 123 | 02/23/15 10:50 | 02/24/15 10:37 | 1 |

Lab Sample ID: LCS 600-156523/2-A

Matrix: Solid

Analysis Batch: 156579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156523

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|-----------------------------|-------------|------------|---------------|-------|---|------|----------|
| | | | | | | | Limits |
| Acenaphthene | 3.33 | 2.881 | | mg/Kg | | 87 | 58 - 130 |
| Acenaphthylene | 3.33 | 2.938 | | mg/Kg | | 88 | 56 - 130 |
| Anthracene | 3.33 | 2.930 | | mg/Kg | | 88 | 58 - 130 |
| Benzidine | 6.65 | 0.5586 | J * | mg/Kg | | 8 | 10 - 135 |
| Benzo[a]anthracene | 3.33 | 2.970 | | mg/Kg | | 89 | 49 - 130 |
| Benzo[b]fluoranthene | 3.33 | 2.951 | | mg/Kg | | 89 | 58 - 130 |
| Benzo[k]fluoranthene | 3.33 | 3.093 | | mg/Kg | | 93 | 56 - 130 |
| Benzo[g,h,i]perylene | 3.33 | 3.484 | | mg/Kg | | 105 | 49 - 135 |
| Benzo[a]pyrene | 3.33 | 2.966 | | mg/Kg | | 89 | 58 - 130 |
| Bis(2-chloroethoxy)methane | 3.33 | 2.598 | | mg/Kg | | 78 | 49 - 130 |
| Bis(2-chloroethyl)ether | 3.33 | 2.584 | | mg/Kg | | 78 | 44 - 130 |
| Bis(2-ethylhexyl) phthalate | 3.33 | 3.097 | | mg/Kg | | 93 | 47 - 133 |
| 4-Bromophenyl phenyl ether | 3.33 | 2.801 | | mg/Kg | | 84 | 56 - 130 |
| Butyl benzyl phthalate | 3.33 | 3.004 | | mg/Kg | | 90 | 43 - 135 |
| 4-Chloroaniline | 3.33 | 1.514 | | mg/Kg | | 45 | 42 - 130 |
| 2-Chloronaphthalene | 3.33 | 2.744 | | mg/Kg | | 82 | 51 - 130 |
| 4-Chlorophenyl phenyl ether | 3.33 | 2.904 | | mg/Kg | | 87 | 57 - 130 |
| Carbazole | 3.33 | 2.808 | | mg/Kg | | 84 | 47 - 131 |
| Chrysene | 3.33 | 2.921 | | mg/Kg | | 88 | 50 - 130 |
| Di-n-butyl phthalate | 3.33 | 3.148 | | mg/Kg | | 95 | 54 - 130 |
| Dibenz(a,h)anthracene | 3.33 | 3.109 | | mg/Kg | | 93 | 48 - 130 |
| Dibenzofuran | 3.33 | 2.955 | | mg/Kg | | 89 | 58 - 130 |
| 1,2-Dichlorobenzene | 3.33 | 2.697 | | mg/Kg | | 81 | 44 - 130 |
| 1,3-Dichlorobenzene | 3.33 | 2.688 | | mg/Kg | | 81 | 43 - 130 |
| 1,4-Dichlorobenzene | 3.33 | 2.624 | | mg/Kg | | 79 | 46 - 130 |
| 3,3'-Dichlorobenzidine | 3.33 | 2.122 | | mg/Kg | | 64 | 41 - 130 |
| Diethyl phthalate | 3.33 | 3.052 | | mg/Kg | | 92 | 55 - 130 |
| Dimethyl phthalate | 3.33 | 2.932 | | mg/Kg | | 88 | 58 - 130 |
| 2,4-Dinitrotoluene | 3.33 | 2.881 | | mg/Kg | | 87 | 53 - 130 |
| 2,6-Dinitrotoluene | 3.33 | 2.806 | | mg/Kg | | 84 | 53 - 130 |
| Di-n-octyl phthalate | 3.33 | 3.129 | | mg/Kg | | 94 | 45 - 135 |
| Fluoranthene | 3.33 | 3.041 | | mg/Kg | | 91 | 56 - 130 |
| Fluorene | 3.33 | 2.925 | | mg/Kg | | 88 | 52 - 147 |
| Hexachlorobenzene | 3.33 | 2.853 | | mg/Kg | | 86 | 59 - 130 |
| Hexachlorocyclopentadiene | 3.33 | 2.180 | | mg/Kg | | 66 | 33 - 130 |
| Hexachloroethane | 3.33 | 2.559 | | mg/Kg | | 77 | 36 - 130 |
| Hexachlorobutadiene | 3.33 | 2.805 | | mg/Kg | | 84 | 49 - 130 |
| Indeno[1,2,3-cd]pyrene | 3.33 | 3.418 | | mg/Kg | | 103 | 41 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156523/2-A

Matrix: Solid

Analysis Batch: 156579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156523

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Isophorone | 3.33 | 2.619 | | mg/Kg | | 79 | 49 - 130 |
| 2-Methylnaphthalene | 3.33 | 3.119 | | mg/Kg | | 94 | 54 - 130 |
| Naphthalene | 3.33 | 2.944 | | mg/Kg | | 88 | 49 - 130 |
| 2-Nitroaniline | 3.33 | 2.777 | | mg/Kg | | 83 | 49 - 149 |
| 3-Nitroaniline | 3.33 | 2.479 | | mg/Kg | | 75 | 45 - 133 |
| 4-Nitroaniline | 3.33 | 3.656 | | mg/Kg | | 110 | 48 - 139 |
| Nitrobenzene | 3.33 | 2.598 | | mg/Kg | | 78 | 47 - 130 |
| N-Nitrosodimethylamine | 3.33 | 2.550 | | mg/Kg | | 77 | 29 - 130 |
| N-Nitrosodiphenylamine | 6.65 | 5.793 | | mg/Kg | | 87 | 47 - 130 |
| N-Nitrosodi-n-propylamine | 3.33 | 2.724 | | mg/Kg | | 82 | 43 - 130 |
| Phenanthrene | 3.33 | 2.937 | | mg/Kg | | 88 | 58 - 130 |
| Pyrene | 3.33 | 2.915 | | mg/Kg | | 88 | 48 - 131 |
| 1,2,4-Trichlorobenzene | 3.33 | 2.790 | | mg/Kg | | 84 | 45 - 130 |
| Benzyl alcohol | 3.33 | 2.675 | | mg/Kg | | 80 | 25 - 141 |
| 4-Chloro-3-methylphenol | 3.33 | 2.825 | | mg/Kg | | 85 | 54 - 130 |
| 2-Chlorophenol | 3.33 | 2.578 | | mg/Kg | | 78 | 48 - 130 |
| 2-Methylphenol | 3.33 | 2.123 | | mg/Kg | | 64 | 46 - 130 |
| 3 & 4 Methylphenol | 3.33 | 2.343 | | mg/Kg | | 70 | 44 - 130 |
| 2,4-Dichlorophenol | 3.33 | 2.463 | | mg/Kg | | 74 | 56 - 130 |
| 2,4-Dimethylphenol | 3.33 | 2.395 | | mg/Kg | | 72 | 46 - 130 |
| 4,6-Dinitro-2-methylphenol | 6.65 | 5.470 | | mg/Kg | | 82 | 45 - 130 |
| 2,4-Dinitrophenol | 6.65 | 5.241 | | mg/Kg | | 79 | 25 - 130 |
| 2-Nitrophenol | 3.33 | 2.690 | | mg/Kg | | 81 | 50 - 130 |
| 4-Nitrophenol | 6.65 | 4.951 | | mg/Kg | | 74 | 20 - 132 |
| Pentachlorophenol | 6.65 | 4.878 | | mg/Kg | | 73 | 34 - 130 |
| Phenol | 3.33 | 2.132 | | mg/Kg | | 64 | 33 - 130 |
| 2,4,5-Trichlorophenol | 3.33 | 2.850 | | mg/Kg | | 86 | 59 - 136 |
| 2,4,6-Trichlorophenol | 3.33 | 2.772 | | mg/Kg | | 83 | 59 - 134 |
| bis (2-Chloroisopropyl) ether | 3.33 | 2.564 | | mg/Kg | | 77 | 39 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|----------------------|---------------|---------------|----------|
| Nitrobenzene-d5 | 81 | | 10 - 150 |
| 2-Fluorophenol | 80 | | 25 - 132 |
| 2-Fluorobiphenyl | 84 | | 38 - 130 |
| 2,4,6-Tribromophenol | 92 | | 10 - 148 |
| Terphenyl-d14 | 91 | | 53 - 134 |
| Phenol-d5 (Surr) | 68 | | 27 - 123 |

Lab Sample ID: MB 600-156603/1-A

Matrix: Waste

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156603

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | 5.40 | U | 9.43 | 5.40 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Acenaphthylene | 5.50 | U | 9.43 | 5.50 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Anthracene | 5.92 | U | 9.43 | 5.92 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzidine | 23.6 | U | 94.3 | 23.6 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzo[a]anthracene | 5.92 | U | 9.43 | 5.92 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156603/1-A

Matrix: Waste

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156603

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Benzo[b]fluoranthene | 0.553 | U | 9.43 | 0.553 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzo[k]fluoranthene | 0.840 | U | 9.43 | 0.840 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzo[g,h,i]perylene | 5.01 | U | 9.43 | 5.01 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzo[a]pyrene | 5.29 | U | 9.43 | 5.29 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Bis(2-chloroethoxy)methane | 5.32 | U | 9.43 | 5.32 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Bis(2-chloroethyl)ether | 0.942 | U | 9.43 | 0.942 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Bis(2-ethylhexyl) phthalate | 5.72 | U | 9.43 | 5.72 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Bromophenyl phenyl ether | 5.71 | U | 9.43 | 5.71 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Butyl benzyl phthalate | 5.73 | U | 9.43 | 5.73 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Chloroaniline | 1.89 | U | 9.43 | 1.89 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Chloronaphthalene | 6.14 | U | 9.43 | 6.14 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Chlorophenyl phenyl ether | 5.67 | U | 9.43 | 5.67 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Carbazole | 5.82 | U | 9.43 | 5.82 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Chrysene | 5.76 | U | 9.43 | 5.76 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Di-n-butyl phthalate | 6.08 | U | 9.43 | 6.08 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Dibenz(a,h)anthracene | 5.42 | U | 9.43 | 5.42 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Dibenzofuran | 5.62 | U | 9.43 | 5.62 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 1,2-Dichlorobenzene | 0.751 | U | 9.43 | 0.751 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 1,3-Dichlorobenzene | 5.09 | U | 9.43 | 5.09 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 1,4-Dichlorobenzene | 0.659 | U | 9.43 | 0.659 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 3,3'-Dichlorobenzidine | 1.82 | U | 18.9 | 1.82 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Diethyl phthalate | 5.83 | U | 9.43 | 5.83 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Dimethyl phthalate | 5.71 | U | 9.43 | 5.71 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4-Dinitrotoluene | 0.940 | U | 9.43 | 0.940 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,6-Dinitrotoluene | 5.99 | U | 9.43 | 5.99 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Di-n-octyl phthalate | 6.10 | U | 9.43 | 6.10 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Fluoranthene | 6.02 | U | 9.43 | 6.02 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Fluorene | 5.81 | U | 9.43 | 5.81 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Hexachlorobenzene | 5.95 | U | 9.43 | 5.95 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Hexachlorocyclopentadiene | 0.636 | U | 9.43 | 0.636 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Hexachloroethane | 0.855 | U | 9.43 | 0.855 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Hexachlorobutadiene | 0.969 | U | 9.43 | 0.969 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Indeno[1,2,3-cd]pyrene | 5.17 | U | 9.43 | 5.17 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Isophorone | 5.54 | U | 9.43 | 5.54 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Methylnaphthalene | 5.40 | U | 9.43 | 5.40 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Naphthalene | 0.551 | U | 9.43 | 0.551 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Nitroaniline | 5.56 | U | 45.7 | 5.56 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 3-Nitroaniline | 6.05 | U | 45.7 | 6.05 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Nitroaniline | 5.15 | U | 45.7 | 5.15 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Nitrobenzene | 1.35 | U | 9.43 | 1.35 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| N-Nitrosodimethylamine | 2.73 | U | 9.43 | 2.73 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| N-Nitrosodiphenylamine | 0.901 | U | 9.43 | 0.901 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| N-Nitrosodi-n-propylamine | 0.817 | U | 9.43 | 0.817 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Phenanthrene | 5.80 | U | 9.43 | 5.80 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Pyrene | 6.31 | U | 9.43 | 6.31 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 1,2,4-Trichlorobenzene | 6.02 | U | 9.43 | 6.02 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Benzyl alcohol | 1.78 | U | 9.43 | 1.78 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Chloro-3-methylphenol | 5.49 | U | 9.43 | 5.49 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-156603/1-A

Matrix: Waste

Analysis Batch: 156579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156603

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 2-Chlorophenol | 0.666 | U | 9.43 | 0.666 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Methylphenol | 1.08 | U | 9.43 | 1.08 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 3 & 4 Methylphenol | 0.859 | U | 18.9 | 0.859 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4-Dichlorophenol | 5.22 | U | 9.43 | 5.22 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4-Dimethylphenol | 1.82 | U | 9.43 | 1.82 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4,6-Dinitro-2-methylphenol | 5.90 | U | 45.7 | 5.90 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4-Dinitrophenol | 3.66 | U | 45.7 | 3.66 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Nitrophenol | 5.14 | U | 9.43 | 5.14 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 4-Nitrophenol | 5.14 | U | 45.7 | 5.14 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Pentachlorophenol | 0.632 | U | 45.7 | 0.632 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Phenol | 1.07 | U | 9.43 | 1.07 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4,5-Trichlorophenol | 1.77 | U | 9.43 | 1.77 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4,6-Trichlorophenol | 5.15 | U | 9.43 | 5.15 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| bis (2-Chloroisopropyl) ether | 0.989 | U | 9.43 | 0.989 | mg/Kg | | 02/24/15 10:46 | 02/24/15 13:14 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 | 85 | | 46 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Fluorophenol | 89 | | 45 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2-Fluorobiphenyl | 96 | | 42 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| 2,4,6-Tribromophenol | 99 | | 25 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Terphenyl-d14 | 94 | | 51 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |
| Phenol-d5 (Surr) | 81 | | 48 - 130 | 02/24/15 10:46 | 02/24/15 13:14 | 1 |

Lab Sample ID: LCS 600-156603/2-A

Matrix: Waste

Analysis Batch: 156579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156603

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| | | | | | | | |
| Acenaphthylene | 50.0 | 43.56 | | mg/Kg | | 87 | 61 - 130 |
| Anthracene | 50.0 | 44.48 | | mg/Kg | | 89 | 69 - 130 |
| Benzidine | 100 | 28.30 | J | mg/Kg | | 28 | 10 - 150 |
| Benzo[a]anthracene | 50.0 | 42.74 | | mg/Kg | | 85 | 70 - 130 |
| Benzo[b]fluoranthene | 50.0 | 43.68 | | mg/Kg | | 87 | 61 - 130 |
| Benzo[k]fluoranthene | 50.0 | 47.70 | | mg/Kg | | 95 | 70 - 130 |
| Benzo[g,h,i]perylene | 50.0 | 47.98 | | mg/Kg | | 96 | 56 - 130 |
| Benzo[a]pyrene | 50.0 | 42.51 | | mg/Kg | | 85 | 70 - 130 |
| Bis(2-chloroethoxy)methane | 50.0 | 38.20 | | mg/Kg | | 76 | 58 - 130 |
| Bis(2-chloroethyl)ether | 50.0 | 36.03 | | mg/Kg | | 72 | 53 - 130 |
| Bis(2-ethylhexyl) phthalate | 50.0 | 43.95 | | mg/Kg | | 88 | 57 - 130 |
| 4-Bromophenyl phenyl ether | 50.0 | 41.71 | | mg/Kg | | 83 | 66 - 130 |
| Butyl benzyl phthalate | 50.0 | 42.13 | | mg/Kg | | 84 | 57 - 130 |
| 4-Chloroaniline | 50.0 | 32.97 | | mg/Kg | | 66 | 63 - 130 |
| 2-Chloronaphthalene | 50.0 | 40.78 | | mg/Kg | | 82 | 60 - 130 |
| 4-Chlorophenyl phenyl ether | 50.0 | 43.27 | | mg/Kg | | 87 | 67 - 130 |
| Carbazole | 50.0 | 44.31 | | mg/Kg | | 89 | 61 - 130 |
| Chrysene | 50.0 | 42.48 | | mg/Kg | | 85 | 67 - 130 |
| Di-n-butyl phthalate | 50.0 | 46.09 | | mg/Kg | | 92 | 61 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156603/2-A

Matrix: Waste

Analysis Batch: 156579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156603

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------|--------|-----------|-------|---|------|-----------------|
| | Added | Result | Qualifier | | | | |
| Dibenz(a,h)anthracene | 50.0 | 42.38 | | mg/Kg | | 85 | 60 - 130 |
| Dibenzofuran | 50.0 | 43.73 | | mg/Kg | | 87 | 66 - 130 |
| 1,2-Dichlorobenzene | 50.0 | 35.95 | | mg/Kg | | 72 | 59 - 130 |
| 1,3-Dichlorobenzene | 50.0 | 34.29 | | mg/Kg | | 69 | 58 - 130 |
| 1,4-Dichlorobenzene | 50.0 | 33.81 | | mg/Kg | | 68 | 59 - 130 |
| 3,3'-Dichlorobenzidine | 50.0 | 39.00 | | mg/Kg | | 78 | 64 - 130 |
| Diethyl phthalate | 50.0 | 44.18 | | mg/Kg | | 88 | 62 - 130 |
| Dimethyl phthalate | 50.0 | 43.38 | | mg/Kg | | 87 | 66 - 130 |
| 2,4-Dinitrotoluene | 50.0 | 42.39 | | mg/Kg | | 85 | 66 - 130 |
| 2,6-Dinitrotoluene | 50.0 | 41.89 | | mg/Kg | | 84 | 65 - 130 |
| Di-n-octyl phthalate | 50.0 | 44.15 | | mg/Kg | | 88 | 58 - 130 |
| Fluoranthene | 50.0 | 45.24 | | mg/Kg | | 90 | 68 - 130 |
| Fluorene | 50.0 | 43.48 | | mg/Kg | | 87 | 67 - 130 |
| Hexachlorobenzene | 50.0 | 43.30 | | mg/Kg | | 87 | 64 - 130 |
| Hexachlorocyclopentadiene | 50.0 | 28.46 | | mg/Kg | | 57 | 10 - 130 |
| Hexachloroethane | 50.0 | 33.38 | | mg/Kg | | 67 | 49 - 130 |
| Hexachlorobutadiene | 50.0 | 39.60 | | mg/Kg | | 79 | 52 - 130 |
| Indeno[1,2,3-cd]pyrene | 50.0 | 47.62 | | mg/Kg | | 95 | 49 - 130 |
| Isophorone | 50.0 | 36.43 | | mg/Kg | | 73 | 57 - 130 |
| 2-Methylnaphthalene | 50.0 | 45.33 | | mg/Kg | | 91 | 66 - 130 |
| Naphthalene | 50.0 | 41.45 | | mg/Kg | | 83 | 63 - 130 |
| 2-Nitroaniline | 50.0 | 41.43 | J | mg/Kg | | 83 | 56 - 132 |
| 3-Nitroaniline | 50.0 | 42.52 | J | mg/Kg | | 85 | 65 - 130 |
| 4-Nitroaniline | 50.0 | 43.06 | J | mg/Kg | | 86 | 59 - 133 |
| Nitrobenzene | 50.0 | 36.74 | | mg/Kg | | 73 | 41 - 140 |
| N-Nitrosodimethylamine | 50.0 | 35.15 | | mg/Kg | | 70 | 53 - 139 |
| N-Nitrosodiphenylamine | 100 | 84.96 | | mg/Kg | | 85 | 70 - 130 |
| N-Nitrosodi-n-propylamine | 50.0 | 37.53 | | mg/Kg | | 75 | 54 - 142 |
| Phenanthrene | 50.0 | 43.85 | | mg/Kg | | 88 | 68 - 130 |
| Pyrene | 50.0 | 42.16 | | mg/Kg | | 84 | 64 - 130 |
| 1,2,4-Trichlorobenzene | 50.0 | 38.70 | | mg/Kg | | 77 | 59 - 130 |
| Benzyl alcohol | 50.0 | 33.11 | | mg/Kg | | 66 | 58 - 130 |
| 4-Chloro-3-methylphenol | 50.0 | 41.94 | | mg/Kg | | 84 | 62 - 130 |
| 2-Chlorophenol | 50.0 | 38.12 | | mg/Kg | | 76 | 60 - 130 |
| 2-Methylphenol | 50.0 | 33.89 | | mg/Kg | | 68 | 64 - 130 |
| 3 & 4 Methylphenol | 50.0 | 34.54 | | mg/Kg | | 69 | 65 - 130 |
| 2,4-Dichlorophenol | 50.0 | 37.41 | | mg/Kg | | 75 | 66 - 130 |
| 2,4-Dimethylphenol | 50.0 | 35.51 | | mg/Kg | | 71 | 56 - 130 |
| 4,6-Dinitro-2-methylphenol | 100 | 84.46 | | mg/Kg | | 84 | 29 - 132 |
| 2,4-Dinitrophenol | 100 | 84.97 | | mg/Kg | | 85 | 10 - 147 |
| 2-Nitrophenol | 50.0 | 38.96 | | mg/Kg | | 78 | 63 - 130 |
| 4-Nitrophenol | 100 | 76.28 | | mg/Kg | | 76 | 23 - 137 |
| Pentachlorophenol | 100 | 80.61 | | mg/Kg | | 81 | 27 - 130 |
| Phenol | 50.0 | 33.80 | | mg/Kg | | 68 | 61 - 130 |
| 2,4,5-Trichlorophenol | 50.0 | 42.47 | | mg/Kg | | 85 | 58 - 130 |
| 2,4,6-Trichlorophenol | 50.0 | 41.19 | | mg/Kg | | 82 | 60 - 130 |
| bis (2-Chloroisopropyl) ether | 50.0 | 35.98 | | mg/Kg | | 72 | 41 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156603/2-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156603

| Surrogate | LCS LCS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Nitrobenzene-d5 | 77 | | 46 - 130 |
| 2-Fluorophenol | 79 | | 45 - 130 |
| 2-Fluorobiphenyl | 84 | | 42 - 130 |
| 2,4,6-Tribromophenol | 92 | | 25 - 130 |
| Terphenyl-d14 | 87 | | 51 - 130 |
| Phenol-d5 (Surr) | 72 | | 48 - 130 |

Lab Sample ID: MB 600-156643/1-A
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156643

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Pyridine | 0.00216 | U | 0.0100 | 0.00216 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 1,4-Dichlorobenzene | 0.00178 | U | 0.0100 | 0.00178 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2,4-Dinitrotoluene | 0.00263 | U | 0.0100 | 0.00263 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Hexachlorobenzene | 0.00259 | U | 0.0100 | 0.00259 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Hexachloroethane | 0.00220 | U | 0.0100 | 0.00220 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Hexachlorobutadiene | 0.00212 | U | 0.0100 | 0.00212 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Nitrobenzene | 0.00248 | U | 0.0100 | 0.00248 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2-Methylphenol | 0.00181 | U | 0.0100 | 0.00181 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 3 & 4 Methylphenol | 0.00188 | U | 0.0200 | 0.00188 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Pentachlorophenol | 0.00462 | U | 0.0500 | 0.00462 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2,4,5-Trichlorophenol | 0.00271 | U | 0.0100 | 0.00271 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2,4,6-Trichlorophenol | 0.00259 | U | 0.0100 | 0.00259 | mg/L | | 02/24/15 15:59 | 02/25/15 09:39 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 | 78 | | 35 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2-Fluorophenol | 78 | | 10 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2-Fluorobiphenyl | 92 | | 41 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| 2,4,6-Tribromophenol | 81 | | 12 - 138 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Terphenyl-d14 | 92 | | 43 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Phenol-d5 | 75 | | 10 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |
| Phenol-d5 (Surr) | 75 | | 10 - 130 | 02/24/15 15:59 | 02/25/15 09:39 | 1 |

Lab Sample ID: LCS 600-156643/2-A
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156643

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|---------|-----------|------|---|------|--------------|
| | | Result | Qualifier | | | | |
| Pyridine | 0.0500 | 0.03581 | | mg/L | | 72 | 10 - 130 |
| 1,4-Dichlorobenzene | 0.0500 | 0.04005 | | mg/L | | 80 | 57 - 130 |
| 2,4-Dinitrotoluene | 0.0500 | 0.04072 | | mg/L | | 81 | 60 - 130 |
| Hexachlorobenzene | 0.0500 | 0.04208 | | mg/L | | 84 | 61 - 130 |
| Hexachloroethane | 0.0500 | 0.03871 | | mg/L | | 77 | 52 - 130 |
| Hexachlorobutadiene | 0.0500 | 0.04186 | | mg/L | | 84 | 52 - 130 |
| Nitrobenzene | 0.0500 | 0.03893 | | mg/L | | 78 | 55 - 130 |
| 2-Methylphenol | 0.0500 | 0.03801 | | mg/L | | 76 | 39 - 130 |
| 3 & 4 Methylphenol | 0.0500 | 0.03849 | | mg/L | | 77 | 29 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-156643/2-A
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156643

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------|-------------|------------|---------------|------|---|------|--------------|
| Pentachlorophenol | 0.100 | 0.07042 | | mg/L | | 70 | 29 - 141 |
| 2,4,5-Trichlorophenol | 0.0500 | 0.04083 | | mg/L | | 82 | 51 - 130 |
| 2,4,6-Trichlorophenol | 0.0500 | 0.04054 | | mg/L | | 81 | 49 - 130 |

| Surrogate | LCS LCS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Nitrobenzene-d5 | 78 | | 35 - 130 |
| 2-Fluorophenol | 78 | | 10 - 130 |
| 2-Fluorobiphenyl | 85 | | 41 - 130 |
| 2,4,6-Tribromophenol | 81 | | 12 - 138 |
| Terphenyl-d14 | 88 | | 43 - 130 |
| Phenol-d5 | 78 | | 10 - 130 |
| Phenol-d5 (Surr) | 78 | | 10 - 130 |

Lab Sample ID: LB 600-156591/1-B
Matrix: Waste
Analysis Batch: 156670

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 156643

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Pyridine | 0.0108 | U | 0.0500 | 0.0108 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 1,4-Dichlorobenzene | 0.00890 | U | 0.0500 | 0.00890 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2,4-Dinitrotoluene | 0.0132 | U | 0.0500 | 0.0132 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Hexachlorobenzene | 0.0130 | U | 0.0500 | 0.0130 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Hexachloroethane | 0.0110 | U | 0.0500 | 0.0110 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Hexachlorobutadiene | 0.0106 | U | 0.0500 | 0.0106 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Nitrobenzene | 0.0124 | U | 0.0500 | 0.0124 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2-Methylphenol | 0.00905 | U | 0.0500 | 0.00905 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 3 & 4 Methylphenol | 0.00940 | U | 0.100 | 0.00940 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Pentachlorophenol | 0.0231 | U | 0.250 | 0.0231 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2,4,5-Trichlorophenol | 0.0136 | U | 0.0500 | 0.0136 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2,4,6-Trichlorophenol | 0.0129 | U | 0.0500 | 0.0129 | mg/L | | 02/24/15 18:35 | 02/25/15 15:59 | 1 |

| Surrogate | LB LB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 | 87 | | 35 - 130 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2-Fluorophenol | 78 | | 10 - 130 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2-Fluorobiphenyl | 100 | | 41 - 130 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| 2,4,6-Tribromophenol | 90 | | 12 - 138 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Terphenyl-d14 | 102 | | 43 - 130 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |
| Phenol-d5 (Surr) | 59 | | 10 - 130 | 02/24/15 18:35 | 02/25/15 15:59 | 1 |

Lab Sample ID: LB 600-156592/1-D
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 156643

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Pyridine | 0.0108 | U | 0.0500 | 0.0108 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 1,4-Dichlorobenzene | 0.00890 | U | 0.0500 | 0.00890 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2,4-Dinitrotoluene | 0.0132 | U | 0.0500 | 0.0132 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Hexachlorobenzene | 0.0130 | U | 0.0500 | 0.0130 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 600-156592/1-D

Matrix: Solid

Analysis Batch: 156670

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 156643

| Analyte | LB LB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Hexachloroethane | 0.0110 | U | 0.0500 | 0.0110 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Hexachlorobutadiene | 0.0106 | U | 0.0500 | 0.0106 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Nitrobenzene | 0.0124 | U | 0.0500 | 0.0124 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2-Methylphenol | 0.00905 | U | 0.0500 | 0.00905 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 3 & 4 Methylphenol | 0.00940 | U | 0.100 | 0.00940 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Pentachlorophenol | 0.0231 | U | 0.250 | 0.0231 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2,4,5-Trichlorophenol | 0.0136 | U | 0.0500 | 0.0136 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2,4,6-Trichlorophenol | 0.0129 | U | 0.0500 | 0.0129 | mg/L | | 02/24/15 16:11 | 02/25/15 12:18 | 1 |

| Surrogate | LB LB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Nitrobenzene-d5 | 66 | | 35 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2-Fluorophenol | 58 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2-Fluorobiphenyl | 71 | | 41 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| 2,4,6-Tribromophenol | 67 | | 12 - 138 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Terphenyl-d14 | 86 | | 43 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Phenol-d5 | 45 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |
| Phenol-d5 (Surr) | 45 | | 10 - 130 | 02/24/15 16:11 | 02/25/15 12:18 | 1 |

Lab Sample ID: 600-107025-3 MS

Matrix: Solid

Analysis Batch: 156707

Client Sample ID: SAND-COMP6

Prep Type: TCLP

Prep Batch: 156643

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS MS | | Unit | D | %Rec | %Rec. Limits |
|-----------------------|---------------|------------------|-------------|--------|-----------|------|---|------|--------------|
| | | | | Result | Qualifier | | | | |
| Pyridine | 0.0108 | U | 0.250 | 0.1517 | | mg/L | | 61 | 10 - 130 |
| 1,4-Dichlorobenzene | 0.00890 | U | 0.250 | 0.2064 | | mg/L | | 83 | 57 - 130 |
| 2,4-Dinitrotoluene | 0.0132 | U | 0.250 | 0.2107 | | mg/L | | 84 | 60 - 130 |
| Hexachlorobenzene | 0.0130 | U | 0.250 | 0.2553 | | mg/L | | 102 | 61 - 130 |
| Hexachloroethane | 0.0110 | U | 0.250 | 0.2081 | | mg/L | | 83 | 52 - 130 |
| Hexachlorobutadiene | 0.0106 | U | 0.250 | 0.1761 | | mg/L | | 70 | 52 - 130 |
| Nitrobenzene | 0.0124 | U | 0.250 | 0.2021 | | mg/L | | 81 | 55 - 130 |
| 2-Methylphenol | 0.00905 | U | 0.250 | 0.2152 | | mg/L | | 86 | 39 - 130 |
| 3 & 4 Methylphenol | 0.00940 | U | 0.250 | 0.2048 | | mg/L | | 82 | 29 - 130 |
| Pentachlorophenol | 0.0231 | U | 0.500 | 0.4459 | | mg/L | | 89 | 29 - 141 |
| 2,4,5-Trichlorophenol | 0.0136 | U | 0.250 | 0.1875 | | mg/L | | 75 | 51 - 130 |
| 2,4,6-Trichlorophenol | 0.0129 | U | 0.250 | 0.2402 | | mg/L | | 96 | 49 - 130 |

| Surrogate | MS MS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Nitrobenzene-d5 | 70 | | 35 - 130 |
| 2-Fluorophenol | 63 | | 10 - 130 |
| 2-Fluorobiphenyl | 86 | | 41 - 130 |
| 2,4,6-Tribromophenol | 76 | | 12 - 138 |
| Terphenyl-d14 | 88 | | 43 - 130 |
| Phenol-d5 | 50 | | 10 - 130 |
| Phenol-d5 (Surr) | 50 | | 10 - 130 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-156532/1-A
Matrix: Solid
Analysis Batch: 156513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156532

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| C6-C12 | 3.80 | U | 10.0 | 3.80 | mg/Kg | | 02/23/15 12:31 | 02/23/15 14:08 | 1 |
| >C12-C28 | 4.06 | U | 10.0 | 4.06 | mg/Kg | | 02/23/15 12:31 | 02/23/15 14:08 | 1 |
| >C28-C35 | 4.06 | U | 10.0 | 4.06 | mg/Kg | | 02/23/15 12:31 | 02/23/15 14:08 | 1 |
| C6-C35 | 3.80 | U | 10.0 | 3.80 | mg/Kg | | 02/23/15 12:31 | 02/23/15 14:08 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|--------------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 92 | | 70 - 130 | 02/23/15 12:31 | 02/23/15 14:08 | 1 |

Lab Sample ID: LCS 600-156532/2-A
Matrix: Solid
Analysis Batch: 156513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156532

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------|-------------|------------|---------------|-------|---|------|----------|
| C6-C12 | 250 | 233.0 | | mg/Kg | | 93 | 75 - 125 |
| >C12-C28 | 250 | 234.5 | | mg/Kg | | 94 | 75 - 125 |
| C6-C35 | 500 | 467.5 | | mg/Kg | | 94 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---------------------|---------------|---------------|----------|
| <i>o</i> -Terphenyl | 96 | | 70 - 130 |

Lab Sample ID: LCSD 600-156532/3-A
Matrix: Solid
Analysis Batch: 156513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 156532

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|----------|-----|-----------|
| C6-C12 | 250 | 242.5 | | mg/Kg | | 97 | 75 - 125 | 4 | 20 |
| >C12-C28 | 250 | 239.8 | | mg/Kg | | 96 | 75 - 125 | 2 | 20 |
| C6-C35 | 500 | 482.3 | | mg/Kg | | 96 | 75 - 125 | 3 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---------------------|----------------|----------------|----------|
| <i>o</i> -Terphenyl | 94 | | 70 - 130 |

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-156683/1-A
Matrix: Solid
Analysis Batch: 156747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156683

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Arsenic | 0.00328 | U | 0.0100 | 0.00328 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Barium | 0.00220 | U | 0.0200 | 0.00220 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Cadmium | 0.000350 | U | 0.00500 | 0.000350 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Chromium | 0.001600 | J | 0.0100 | 0.00155 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Lead | 0.00290 | U | 0.0100 | 0.00290 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Selenium | 0.00417 | U | 0.0400 | 0.00417 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |
| Silver | 0.00125 | U | 0.0100 | 0.00125 | mg/L | | 02/25/15 09:47 | 02/25/15 16:45 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 600-156683/2-A
Matrix: Solid
Analysis Batch: 156747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156683

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Arsenic | 1.00 | 1.033 | | mg/L | | 103 | 80 - 120 |
| Barium | 1.00 | 1.024 | | mg/L | | 102 | 80 - 120 |
| Cadmium | 0.500 | 0.5234 | | mg/L | | 105 | 80 - 120 |
| Chromium | 1.00 | 1.046 | | mg/L | | 105 | 80 - 120 |
| Lead | 1.00 | 1.043 | | mg/L | | 104 | 80 - 120 |
| Selenium | 1.00 | 1.034 | | mg/L | | 103 | 80 - 120 |
| Silver | 0.500 | 0.5294 | | mg/L | | 106 | 80 - 120 |

Lab Sample ID: MB 490-230143/1-A
Matrix: Solid
Analysis Batch: 230316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Cadmium | 0.0984 | U | 0.984 | 0.0984 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |
| Chromium | 0.591 | U | 0.984 | 0.591 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |
| Lead | 0.492 | U | 0.984 | 0.492 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |
| Silver | 0.492 | U | 0.984 | 0.492 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |
| Sodium | 98.4 | U | 197 | 98.4 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |
| Sulfur | 35.06 | J | 49.2 | 19.7 | mg/Kg | | 02/26/15 11:58 | 02/26/15 17:19 | 1 |

Lab Sample ID: MB 490-230143/1-A
Matrix: Solid
Analysis Batch: 230511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 0.886 | U | 1.97 | 0.886 | mg/Kg | | 02/26/15 11:58 | 02/27/15 14:15 | 1 |
| Barium | 1.57 | U | 1.97 | 1.57 | mg/Kg | | 02/26/15 11:58 | 02/27/15 14:15 | 1 |
| Selenium | 0.984 | U | 1.97 | 0.984 | mg/Kg | | 02/26/15 11:58 | 02/27/15 14:15 | 1 |

Lab Sample ID: LCS 490-230143/2-A
Matrix: Solid
Analysis Batch: 230316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Cadmium | 20.0 | 19.80 | | mg/Kg | | 99 | 80 - 120 |
| Chromium | 80.0 | 76.94 | | mg/Kg | | 96 | 80 - 120 |
| Lead | 20.0 | 19.22 | | mg/Kg | | 96 | 80 - 120 |
| Silver | 20.0 | 19.92 | | mg/Kg | | 100 | 80 - 120 |
| Sodium | 2000 | 1922 | | mg/Kg | | 96 | 80 - 120 |
| Sulfur | 400 | 357.4 | | mg/Kg | | 89 | 80 - 120 |

Lab Sample ID: LCS 490-230143/2-A
Matrix: Solid
Analysis Batch: 230511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Arsenic | 20.0 | 17.38 | | mg/Kg | | 87 | 80 - 120 |
| Barium | 800 | 738.4 | | mg/Kg | | 92 | 80 - 120 |
| Selenium | 20.0 | 17.26 | | mg/Kg | | 86 | 80 - 120 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 490-230143/3-A
Matrix: Solid
Analysis Batch: 230316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD |
|----------|-------------|-------------|----------------|-------|---|------|----------|-----|-----|
| | | | | | | | Limits | RPD | |
| Cadmium | 20.0 | 19.36 | | mg/Kg | | 97 | 80 - 120 | 2 | 20 |
| Chromium | 80.0 | 75.20 | | mg/Kg | | 94 | 80 - 120 | 2 | 20 |
| Lead | 20.0 | 19.22 | | mg/Kg | | 96 | 80 - 120 | 0 | 20 |
| Silver | 20.0 | 19.60 | | mg/Kg | | 98 | 80 - 120 | 2 | 20 |
| Sodium | 2000 | 1820 | | mg/Kg | | 91 | 80 - 120 | 5 | 20 |
| Sulfur | 400 | 357.0 | | mg/Kg | | 89 | 80 - 120 | 0 | 20 |

Lab Sample ID: LCSD 490-230143/3-A
Matrix: Solid
Analysis Batch: 230511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 230143

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD |
|----------|-------------|-------------|----------------|-------|---|------|----------|-----|-----|
| | | | | | | | Limits | RPD | |
| Arsenic | 20.0 | 16.74 | | mg/Kg | | 84 | 80 - 120 | 4 | 20 |
| Barium | 800 | 742.2 | | mg/Kg | | 93 | 80 - 120 | 1 | 20 |
| Selenium | 20.0 | 17.86 | | mg/Kg | | 89 | 80 - 120 | 3 | 20 |

Lab Sample ID: LB 600-156591/1-D
Matrix: Waste
Analysis Batch: 156747

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 156683

| Analyte | LB LB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Arsenic | 0.0328 | U | 0.100 | 0.0328 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Barium | 0.0220 | U | 0.200 | 0.0220 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Cadmium | 0.00350 | U | 0.0500 | 0.00350 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Chromium | 0.02100 | J | 0.100 | 0.0155 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Lead | 0.0290 | U | 0.100 | 0.0290 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Selenium | 0.06100 | J | 0.400 | 0.0417 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |
| Silver | 0.0125 | U | 0.100 | 0.0125 | mg/L | | 02/25/15 09:47 | 02/25/15 16:50 | 1 |

Lab Sample ID: LB 600-156592/1-G
Matrix: Solid
Analysis Batch: 156747

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 156683

| Analyte | LB LB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Arsenic | 0.0328 | U | 0.100 | 0.0328 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Barium | 0.0220 | U | 0.200 | 0.0220 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Cadmium | 0.00350 | U | 0.0500 | 0.00350 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Chromium | 0.0155 | U | 0.100 | 0.0155 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Lead | 0.0290 | U | 0.100 | 0.0290 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Selenium | 0.0417 | U | 0.400 | 0.0417 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |
| Silver | 0.0125 | U | 0.100 | 0.0125 | mg/L | | 02/25/15 09:47 | 02/25/15 17:06 | 1 |

Lab Sample ID: 600-107025-1 MS
Matrix: Waste
Analysis Batch: 156747

Client Sample ID: ST8-COMP-021915
Prep Type: TCLP
Prep Batch: 156683

| Analyte | Sample Sample | | Spike Added | MS MS | | Unit | D | %Rec | %Rec. | |
|---------|---------------|-----------|-------------|--------|-----------|------|---|------|----------|-----|
| | Result | Qualifier | | Result | Qualifier | | | | Limits | RPD |
| Arsenic | 0.0330 | J | 10.0 | 10.52 | | mg/L | | 105 | 75 - 125 | |
| Barium | 0.700 | | 10.0 | 10.86 | | mg/L | | 102 | 75 - 125 | |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-107025-1 MS
Matrix: Waste
Analysis Batch: 156747

Client Sample ID: ST8-COMP-021915
Prep Type: TCLP
Prep Batch: 156683

| Analyte | Sample | Sample | Spike | MS | | Unit | D | %Rec | %Rec. | |
|----------|---------|-----------|-------|--------|-----------|------|---|------|----------|--------|
| | Result | Qualifier | | Result | Qualifier | | | | Limits | Limits |
| Cadmium | 0.00350 | U | 5.00 | 5.245 | | mg/L | | 105 | 75 - 125 | |
| Chromium | 0.0180 | J B | 10.0 | 10.19 | | mg/L | | 102 | 75 - 125 | |
| Lead | 0.0290 | U | 10.0 | 10.47 | | mg/L | | 105 | 75 - 125 | |
| Selenium | 0.0417 | U | 10.0 | 10.57 | | mg/L | | 106 | 75 - 125 | |
| Silver | 0.0125 | U | 5.00 | 5.363 | | mg/L | | 107 | 75 - 125 | |

Lab Sample ID: 600-107025-3 MS
Matrix: Solid
Analysis Batch: 156747

Client Sample ID: SAND-COMP6
Prep Type: TCLP
Prep Batch: 156683

| Analyte | Sample | Sample | Spike | MS | | Unit | D | %Rec | %Rec. | |
|----------|---------|-----------|-------|--------|-----------|------|---|------|----------|--------|
| | Result | Qualifier | | Result | Qualifier | | | | Limits | Limits |
| Arsenic | 0.0328 | U | 10.0 | 10.69 | | mg/L | | 107 | 75 - 125 | |
| Barium | 0.396 | | 10.0 | 10.44 | | mg/L | | 100 | 75 - 125 | |
| Cadmium | 0.00350 | U | 5.00 | 5.331 | | mg/L | | 107 | 75 - 125 | |
| Chromium | 0.0170 | J B | 10.0 | 10.26 | | mg/L | | 102 | 75 - 125 | |
| Lead | 0.0290 | U | 10.0 | 10.66 | | mg/L | | 107 | 75 - 125 | |
| Selenium | 0.0417 | U | 10.0 | 10.70 | | mg/L | | 107 | 75 - 125 | |
| Silver | 0.0125 | U | 5.00 | 5.418 | | mg/L | | 108 | 75 - 125 | |

Lab Sample ID: 600-107025-3 DU
Matrix: Solid
Analysis Batch: 156747

Client Sample ID: SAND-COMP6
Prep Type: TCLP
Prep Batch: 156683

| Analyte | Sample | Sample | DU | | Unit | D | RPD | RPD | |
|----------|---------|-----------|---------|-----------|------|---|-----|-------|-------|
| | Result | Qualifier | Result | Qualifier | | | | Limit | Limit |
| Arsenic | 0.0328 | U | 0.0328 | U | mg/L | | NC | 20 | |
| Barium | 0.396 | | 0.4340 | | mg/L | | 9 | 20 | |
| Cadmium | 0.00350 | U | 0.00350 | U | mg/L | | NC | 20 | |
| Chromium | 0.0170 | J B | 0.0155 | U | mg/L | | NC | 20 | |
| Lead | 0.0290 | U | 0.0290 | U | mg/L | | NC | 20 | |
| Selenium | 0.0417 | U | 0.0417 | U | mg/L | | NC | 20 | |
| Silver | 0.0125 | U | 0.0125 | U | mg/L | | NC | 20 | |

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-156674/7-A
Matrix: Solid
Analysis Batch: 156729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156674

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Mercury | 0.0000820 | U | 0.000200 | 0.0000820 | mg/L | | 02/25/15 08:31 | 02/25/15 13:07 | 1 |

Lab Sample ID: LCS 600-156674/8-A ^50
Matrix: Solid
Analysis Batch: 156729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156674

| Analyte | Spike | LCS | | Unit | D | %Rec | %Rec. | |
|---------|-------|--------|-----------|------|---|------|----------|--------|
| | | Result | Qualifier | | | | Limits | Limits |
| Mercury | 0.153 | 0.1553 | | mg/L | | 101 | 70 - 130 | |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 600-156591/1-C
 Matrix: Waste
 Analysis Batch: 156729

Client Sample ID: Method Blank
 Prep Type: TCLP
 Prep Batch: 156674

| Analyte | Result | LB LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------------|----------|-----------|------|---|----------------|----------------|---------|
| Mercury | 0.0000820 | U | 0.000200 | 0.0000820 | mg/L | | 02/25/15 08:31 | 02/25/15 14:08 | 1 |

Lab Sample ID: LB 600-156592/1-F
 Matrix: Solid
 Analysis Batch: 156729

Client Sample ID: Method Blank
 Prep Type: TCLP
 Prep Batch: 156674

| Analyte | Result | LB LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------------|----------|-----------|------|---|----------------|----------------|---------|
| Mercury | 0.0000820 | U | 0.000200 | 0.0000820 | mg/L | | 02/25/15 08:31 | 02/25/15 13:36 | 1 |

Lab Sample ID: 600-107025-1 MS
 Matrix: Waste
 Analysis Batch: 156729

Client Sample ID: ST8-COMP-021915
 Prep Type: TCLP
 Prep Batch: 156674

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Mercury | 0.000820 | U | 0.0300 | 0.02952 | | mg/L | | 98 | 75 - 125 |

Lab Sample ID: 600-107025-3 MS
 Matrix: Solid
 Analysis Batch: 156729

Client Sample ID: SAND-COMP6
 Prep Type: TCLP
 Prep Batch: 156674

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Mercury | 0.0000820 | U | 0.00300 | 0.002980 | | mg/L | | 99 | 75 - 125 |

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 600-156546/7-A
 Matrix: Solid
 Analysis Batch: 156557

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 156546

| Analyte | Result | MB MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|--------------------|--------|---------|-------|---|----------------|----------------|---------|
| Mercury | 0.00336 | U | 0.0159 | 0.00336 | mg/Kg | | 02/23/15 15:11 | 02/23/15 16:20 | 1 |

Lab Sample ID: LCSSRM 600-156546/8-A ^50
 Matrix: Solid
 Analysis Batch: 156557

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 156546

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|---------------|------------------|-------|---|-------|------------------|
| Mercury | 5.76 | 6.556 | | mg/Kg | | 113.8 | 71.2 - 128. 6 |

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: 600-107025-1 DU
 Matrix: Waste
 Analysis Batch: 156830

Client Sample ID: ST8-COMP-021915
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| Flashpoint | >186 | | >186 | | Degrees F | | NC | 20 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-156727/1-A
 Matrix: Waste
 Analysis Batch: 156814

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 156727

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Cyanide, Reactive | 0.0855 | U | 0.250 | 0.0855 | mg/Kg | | 02/25/15 11:30 | 02/26/15 13:58 | 1 |

Lab Sample ID: LCS 600-156727/2-A
 Matrix: Solid
 Analysis Batch: 156814

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 156727

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------|-------------|------------|---------------|-------|---|------|--------------|
| Cyanide, Reactive | 1000 | 8.108 | | mg/Kg | | 0.8 | 0 - 200 |

Method: 9023 - Organic Halides, Extractable (EOX)

Lab Sample ID: MB 240-169857/3-A
 Matrix: Solid
 Analysis Batch: 169974

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 169857

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|--------------|-----|------|-------|---|----------------|----------------|---------|
| Halogens, Extractable Organic | 33.8 | U | 199 | 33.8 | mg/Kg | | 02/27/15 06:25 | 02/27/15 08:47 | 1 |

Lab Sample ID: LCS 240-169857/4-A
 Matrix: Solid
 Analysis Batch: 169974

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 169857

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Halogens, Extractable Organic | 1000 | 984.7 | | mg/Kg | | 98 | 75 - 125 |

Lab Sample ID: 600-107025-3 MS
 Matrix: Solid
 Analysis Batch: 169974

Client Sample ID: SAND-COMP6
 Prep Type: Total/NA
 Prep Batch: 169857

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Halogens, Extractable Organic | 49.0 | J | 985 | 1037 | | mg/Kg | | 100 | 75 - 125 |

Lab Sample ID: 600-107025-3 MSD
 Matrix: Solid
 Analysis Batch: 169974

Client Sample ID: SAND-COMP6
 Prep Type: Total/NA
 Prep Batch: 169857

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Halogens, Extractable Organic | 49.0 | J | 985 | 1015 | | mg/Kg | | 98 | 75 - 125 | 2 | 20 |

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 600-156727/1-A
 Matrix: Waste
 Analysis Batch: 156816

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 156727

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Sulfide, Reactive | 14.0 | U | 50.0 | 14.0 | mg/Kg | | 02/25/15 11:30 | 02/26/15 14:11 | 1 |

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . - Houston

TestAmerica Job ID: 600-107025-1

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 600-156727/3-A
 Matrix: Waste
 Analysis Batch: 156816

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 156727

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------|-------------|------------|---------------|-------|---|------|--------------|
| Sulfide, Reactive | 1000 | 1300 | | mg/Kg | | 130 | 0 - 200 |

Method: 9045C - Corrosivity

Lab Sample ID: LCS 600-156743/1
 Matrix: Solid
 Analysis Batch: 156743

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| pH | 7.00 | 7.000 | | SU | | 100 | 99 - 101 |

Method: D92 - Flashpoint

Lab Sample ID: MB 600-156830/1
 Matrix: Solid
 Analysis Batch: 156830

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|------|------|-----------|---|----------|----------------|---------|
| Flashpoint | >186 | | 1.00 | 1.00 | Degrees F | | | 02/26/15 06:35 | 1 |

Lab Sample ID: LCS 600-156830/2
 Matrix: Solid
 Analysis Batch: 156830

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|-----------|---|------|-----------------|
| Flashpoint | 81.0 | 82.00 | | Degrees F | | 101 | 96.9 - 103.1 09 |

Lab Sample ID: 600-107025-3 DU
 Matrix: Solid
 Analysis Batch: 156830

Client Sample ID: SAND-COMP6
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| Flashpoint | >212 | | >212 | | Degrees F | | NC | 20 |

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

GC/MS VOA

Leach Batch: 113358

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 1311 | |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 1311 | |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 1311 | |
| LB 560-113358/1-A | Method Blank | TCLP | Solid | 1311 | |

Analysis Batch: 113408

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 8260B | 113358 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 8260B | 113358 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 8260B | 113358 |
| LB 560-113358/1-A | Method Blank | TCLP | Solid | 8260B | 113358 |
| LCS 560-113408/3 | Lab Control Sample | Total/NA | Solid | 8260B | |
| MB 560-113408/8 | Method Blank | Total/NA | Solid | 8260B | |

Prep Batch: 156517

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 5030B | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 5030B | |
| LCS 600-156517/1-A | Lab Control Sample | Total/NA | Waste | 5030B | |
| LCSD 600-156517/2-A | Lab Control Sample Dup | Total/NA | Waste | 5030B | |
| MB 600-156517/3-A | Method Blank | Total/NA | Waste | 5030B | |

Analysis Batch: 156524

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCS 600-156517/1-A | Lab Control Sample | Total/NA | Waste | 8260B | 156517 |
| LCSD 600-156517/2-A | Lab Control Sample Dup | Total/NA | Waste | 8260B | 156517 |
| MB 600-156517/3-A | Method Blank | Total/NA | Waste | 8260B | 156517 |

Analysis Batch: 156599

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 8260B | 156517 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 8260B | 156517 |

Analysis Batch: 156863

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 8260B | 156890 |
| LCS 600-156863/3 | Lab Control Sample | Total/NA | Solid | 8260B | |
| LCSD 600-156863/4 | Lab Control Sample Dup | Total/NA | Solid | 8260B | |
| MB 600-156863/6 | Method Blank | Total/NA | Solid | 8260B | |

Prep Batch: 156890

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 5030B | |

GC/MS Semi VOA

Prep Batch: 156523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 3546 | |
| LCS 600-156523/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

GC/MS Semi VOA (Continued)

Prep Batch: 156523 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 600-156523/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 156579

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 8270C | 156603 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 8270C | 156603 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 8270C | 156523 |
| LCS 600-156523/2-A | Lab Control Sample | Total/NA | Solid | 8270C | 156523 |
| LCS 600-156603/2-A | Lab Control Sample | Total/NA | Waste | 8270C | 156603 |
| MB 600-156523/1-A | Method Blank | Total/NA | Solid | 8270C | 156523 |
| MB 600-156603/1-A | Method Blank | Total/NA | Waste | 8270C | 156603 |

Leach Batch: 156591

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 1311 | |
| LB 600-156591/1-B | Method Blank | TCLP | Waste | 1311 | |

Leach Batch: 156592

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 1311 | |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 1311 | |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 1311 | |
| LB 600-156592/1-D | Method Blank | TCLP | Solid | 1311 | |

Prep Batch: 156603

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 3580A | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 3580A | |
| LCS 600-156603/2-A | Lab Control Sample | Total/NA | Waste | 3580A | |
| MB 600-156603/1-A | Method Blank | Total/NA | Waste | 3580A | |

Prep Batch: 156643

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 3510C | 156592 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 3510C | 156591 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 3510C | 156592 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 3510C | 156592 |
| LB 600-156591/1-B | Method Blank | TCLP | Waste | 3510C | 156591 |
| LB 600-156592/1-D | Method Blank | TCLP | Solid | 3510C | 156592 |
| LCS 600-156643/2-A | Lab Control Sample | Total/NA | Solid | 3510C | |
| MB 600-156643/1-A | Method Blank | Total/NA | Solid | 3510C | |

Analysis Batch: 156670

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LB 600-156591/1-B | Method Blank | TCLP | Waste | 8270C | 156643 |
| LB 600-156592/1-D | Method Blank | TCLP | Solid | 8270C | 156643 |
| LCS 600-156643/2-A | Lab Control Sample | Total/NA | Solid | 8270C | 156643 |
| MB 600-156643/1-A | Method Blank | Total/NA | Solid | 8270C | 156643 |

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

GC/MS Semi VOA (Continued)

Analysis Batch: 156707

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 8270C | 156643 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 8270C | 156643 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 8270C | 156643 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 8270C | 156643 |

GC Semi VOA

Analysis Batch: 156511

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|---------|------------|
| 600-107025-3 - DL | SAND-COMP6 | Total/NA | Solid | TX 1005 | 156532 |

Analysis Batch: 156513

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 600-107025-1 - DL | ST8-COMP-021915 | Total/NA | Waste | TX 1005 | 156532 |
| 600-107025-2 - DL | ST5-COMP-021915 | Total/NA | Waste | TX 1005 | 156532 |
| LCS 600-156532/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 156532 |
| LCSD 600-156532/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 156532 |
| MB 600-156532/1-A | Method Blank | Total/NA | Solid | TX 1005 | 156532 |

Prep Batch: 156532

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------------|------------|
| 600-107025-1 - DL | ST8-COMP-021915 | Total/NA | Waste | TX_1005_S_Pre p | |
| 600-107025-2 - DL | ST5-COMP-021915 | Total/NA | Waste | TX_1005_S_Pre p | |
| 600-107025-3 - DL | SAND-COMP6 | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 600-156532/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 600-156532/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 600-156532/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |

Metals

Prep Batch: 156546

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 7471A | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 7471A | |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 7471A | |
| LCSSRM 600-156546/8-A ^50 | Lab Control Sample | Total/NA | Solid | 7471A | |
| MB 600-156546/7-A | Method Blank | Total/NA | Solid | 7471A | |

Analysis Batch: 156557

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 7471A | 156546 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 7471A | 156546 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 7471A | 156546 |
| LCSSRM 600-156546/8-A ^50 | Lab Control Sample | Total/NA | Solid | 7471A | 156546 |
| MB 600-156546/7-A | Method Blank | Total/NA | Solid | 7471A | 156546 |

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Metals (Continued)

Leach Batch: 156591

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 1311 | |
| LB 600-156591/1-C | Method Blank | TCLP | Waste | 1311 | |
| LB 600-156591/1-D | Method Blank | TCLP | Waste | 1311 | |

Leach Batch: 156592

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 1311 | |
| 600-107025-1 MS | ST8-COMP-021915 | TCLP | Waste | 1311 | |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 1311 | |
| 600-107025-3 DU | SAND-COMP6 | TCLP | Solid | 1311 | |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 1311 | |
| LB 600-156592/1-F | Method Blank | TCLP | Solid | 1311 | |
| LB 600-156592/1-G | Method Blank | TCLP | Solid | 1311 | |

Prep Batch: 156674

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 7470A | 156592 |
| 600-107025-1 MS | ST8-COMP-021915 | TCLP | Waste | 7470A | 156592 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 7470A | 156591 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 7470A | 156592 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 7470A | 156592 |
| LB 600-156591/1-C | Method Blank | TCLP | Waste | 7470A | 156591 |
| LB 600-156592/1-F | Method Blank | TCLP | Solid | 7470A | 156592 |
| LCS 600-156674/8-A ^50 | Lab Control Sample | Total/NA | Solid | 7470A | |
| MB 600-156674/7-A | Method Blank | Total/NA | Solid | 7470A | |

Prep Batch: 156683

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 3010A | 156592 |
| 600-107025-1 MS | ST8-COMP-021915 | TCLP | Waste | 3010A | 156592 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 3010A | 156591 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 3010A | 156592 |
| 600-107025-3 DU | SAND-COMP6 | TCLP | Solid | 3010A | 156592 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 3010A | 156592 |
| LB 600-156591/1-D | Method Blank | TCLP | Waste | 3010A | 156591 |
| LB 600-156592/1-G | Method Blank | TCLP | Solid | 3010A | 156592 |
| LCS 600-156683/2-A | Lab Control Sample | Total/NA | Solid | 3010A | |
| MB 600-156683/1-A | Method Blank | Total/NA | Solid | 3010A | |

Analysis Batch: 156729

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 7470A | 156674 |
| 600-107025-1 MS | ST8-COMP-021915 | TCLP | Waste | 7470A | 156674 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 7470A | 156674 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 7470A | 156674 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 7470A | 156674 |
| LB 600-156591/1-C | Method Blank | TCLP | Waste | 7470A | 156674 |
| LB 600-156592/1-F | Method Blank | TCLP | Solid | 7470A | 156674 |
| LCS 600-156674/8-A ^50 | Lab Control Sample | Total/NA | Solid | 7470A | 156674 |
| MB 600-156674/7-A | Method Blank | Total/NA | Solid | 7470A | 156674 |

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Metals (Continued)

Analysis Batch: 156747

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | TCLP | Waste | 6010B | 156683 |
| 600-107025-1 MS | ST8-COMP-021915 | TCLP | Waste | 6010B | 156683 |
| 600-107025-2 | ST5-COMP-021915 | TCLP | Waste | 6010B | 156683 |
| 600-107025-3 | SAND-COMP6 | TCLP | Solid | 6010B | 156683 |
| 600-107025-3 DU | SAND-COMP6 | TCLP | Solid | 6010B | 156683 |
| 600-107025-3 MS | SAND-COMP6 | TCLP | Solid | 6010B | 156683 |
| LB 600-156591/1-D | Method Blank | TCLP | Waste | 6010B | 156683 |
| LB 600-156592/1-G | Method Blank | TCLP | Solid | 6010B | 156683 |
| LCS 600-156683/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 156683 |
| MB 600-156683/1-A | Method Blank | Total/NA | Solid | 6010B | 156683 |

Prep Batch: 230143

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 3051A | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 3051A | |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 3051A | |
| LCS 490-230143/2-A | Lab Control Sample | Total/NA | Solid | 3051A | |
| LCSD 490-230143/3-A | Lab Control Sample Dup | Total/NA | Solid | 3051A | |
| MB 490-230143/1-A | Method Blank | Total/NA | Solid | 3051A | |

Analysis Batch: 230316

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 6010B | 230143 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 6010B | 230143 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 6010B | 230143 |
| LCS 490-230143/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 230143 |
| LCSD 490-230143/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010B | 230143 |
| MB 490-230143/1-A | Method Blank | Total/NA | Solid | 6010B | 230143 |

Analysis Batch: 230511

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 6010B | 230143 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 6010B | 230143 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 6010B | 230143 |
| LCS 490-230143/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 230143 |
| LCSD 490-230143/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010B | 230143 |
| MB 490-230143/1-A | Method Blank | Total/NA | Solid | 6010B | 230143 |

General Chemistry

Analysis Batch: 113321

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | D1796 | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | D1796 | |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | D1796 | |

Prep Batch: 156727

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 7.3.4 | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 7.3.4 | |

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

General Chemistry (Continued)

Prep Batch: 156727 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 7.3.4 | |
| LCS 600-156727/2-A | Lab Control Sample | Total/NA | Solid | 7.3.4 | |
| LCS 600-156727/3-A | Lab Control Sample | Total/NA | Waste | 7.3.4 | |
| MB 600-156727/1-A | Method Blank | Total/NA | Waste | 7.3.4 | |

Analysis Batch: 156743

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 9045C | |
| LCS 600-156743/1 | Lab Control Sample | Total/NA | Solid | 9045C | |

Analysis Batch: 156814

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 9012 | 156727 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 9012 | 156727 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 9012 | 156727 |
| LCS 600-156727/2-A | Lab Control Sample | Total/NA | Solid | 9012 | 156727 |
| MB 600-156727/1-A | Method Blank | Total/NA | Waste | 9012 | 156727 |

Analysis Batch: 156816

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 9034 | 156727 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 9034 | 156727 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 7.4.4 | 156727 |
| LCS 600-156727/3-A | Lab Control Sample | Total/NA | Waste | 9034 | 156727 |
| MB 600-156727/1-A | Method Blank | Total/NA | Waste | 9034 | 156727 |

Analysis Batch: 156830

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 1010 | |
| 600-107025-1 DU | ST8-COMP-021915 | Total/NA | Waste | 1010 | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 1010 | |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | D92 | |
| 600-107025-3 DU | SAND-COMP6 | Total/NA | Solid | D92 | |
| LCS 600-156830/2 | Lab Control Sample | Total/NA | Solid | D92 | |
| MB 600-156830/1 | Method Blank | Total/NA | Solid | D92 | |

Prep Batch: 169857

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 9023 | |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 9023 | |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 9023 | |
| 600-107025-3 MS | SAND-COMP6 | Total/NA | Solid | 9023 | |
| 600-107025-3 MSD | SAND-COMP6 | Total/NA | Solid | 9023 | |
| LCS 240-169857/4-A | Lab Control Sample | Total/NA | Solid | 9023 | |
| MB 240-169857/3-A | Method Blank | Total/NA | Solid | 9023 | |

Analysis Batch: 169974

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 600-107025-1 | ST8-COMP-021915 | Total/NA | Waste | 9023 | 169857 |
| 600-107025-2 | ST5-COMP-021915 | Total/NA | Waste | 9023 | 169857 |
| 600-107025-3 | SAND-COMP6 | Total/NA | Solid | 9023 | 169857 |

TestAmerica Houston



QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

General Chemistry (Continued)

Analysis Batch: 169974 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 600-107025-3 MS | SAND-COMP6 | Total/NA | Solid | 9023 | 169857 |
| 600-107025-3 MSD | SAND-COMP6 | Total/NA | Solid | 9023 | 169857 |
| LCS 240-169857/4-A | Lab Control Sample | Total/NA | Solid | 9023 | 169857 |
| MB 240-169857/3-A | Method Blank | Total/NA | Solid | 9023 | 169857 |

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Lab Chronicle

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| TCLP | Leach | 1311 | | | 20.4 g | 408 mL | 113358 | 03/02/15 11:00 | CC56 | TAL CC |
| TCLP | Analysis | 8260B | | 50 | 5 mL | 5 mL | 113408 | 03/03/15 13:23 | RP56 | TAL CC |
| Total/NA | Prep | 5030B | | | 1 g | 10 mL | 156517 | 02/23/15 17:00 | KLV | TAL HOU |
| Total/NA | Analysis | 8260B | | 4 | 1 g | 10 mL | 156599 | 02/24/15 15:05 | KLV | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3510C | | | 200 mL | 1.0 mL | 156643 | 02/24/15 16:11 | SMB | TAL HOU |
| TCLP | Analysis | 8270C | | 10 | 200 mL | 1.0 mL | 156707 | 02/25/15 16:17 | KP1 | TAL HOU |
| Total/NA | Prep | 3580A | | | 1.01 g | 10.00 mL | 156603 | 02/24/15 10:46 | MRA | TAL HOU |
| Total/NA | Analysis | 8270C | | 10 | 1.01 g | 10.00 mL | 156579 | 02/24/15 13:45 | KP1 | TAL HOU |
| Total/NA | Prep | TX_1005_S_Prep | DL | | 01.00 g | 10.00 mL | 156532 | 02/23/15 12:31 | NVP | TAL HOU |
| Total/NA | Analysis | TX 1005 | DL | 100 | 01.00 g | 10.00 mL | 156513 | 02/24/15 08:56 | RJV | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3010A | | | 5 mL | 50 mL | 156683 | 02/25/15 09:47 | NER | TAL HOU |
| TCLP | Analysis | 6010B | | 1 | 5 mL | 50 mL | 156747 | 02/25/15 17:20 | DCL | TAL HOU |
| Total/NA | Prep | 3051A | | | 0.515 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.515 g | 100 mL | 230316 | 02/26/15 18:02 | ADN | TAL NSH |
| Total/NA | Prep | 3051A | | | 0.515 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.515 g | 100 mL | 230511 | 02/27/15 15:12 | LEG | TAL NSH |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 7470A | | | 4 mL | 40 mL | 156674 | 02/25/15 08:31 | SCG | TAL HOU |
| TCLP | Analysis | 7470A | | 1 | 4 mL | 40 mL | 156729 | 02/25/15 13:55 | SCG | TAL HOU |
| Total/NA | Prep | 7471A | | | 0.64 g | 50 mL | 156546 | 02/23/15 15:11 | SCG | TAL HOU |
| Total/NA | Analysis | 7471A | | 1 | 0.64 g | 50 mL | 156557 | 02/23/15 16:26 | TWR | TAL HOU |
| Total/NA | Analysis | 1010 | | 1 | | | 156830 | 02/26/15 06:35 | MJB | TAL HOU |
| Total/NA | Prep | 7.3.4 | | | 10.51 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 9012 | | 1 | 10.51 g | 250 mL | 156814 | 02/26/15 13:58 | EAS | TAL HOU |
| Total/NA | Prep | 9023 | | | 2.02 g | 10 mL | 169857 | 02/27/15 06:41 | TPH | TAL CAN |
| Total/NA | Analysis | 9023 | | 5 | 2.02 g | 10 mL | 169974 | 02/27/15 10:20 | TPH | TAL CAN |
| Total/NA | Prep | 7.3.4 | | | 10.51 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 9034 | | 1 | 10.51 g | 250 mL | 156816 | 02/26/15 14:11 | EAS | TAL HOU |
| Total/NA | Analysis | D1796 | | 1 | 50 mL | 50 mL | 113321 | 02/27/15 14:00 | EDR | TAL CC |

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| TCLP | Leach | 1311 | | | 20.9 g | 418 mL | 113358 | 03/02/15 11:00 | CC56 | TAL CC |
| TCLP | Analysis | 8260B | | 10 | 5 mL | 5 mL | 113408 | 03/03/15 13:47 | RP56 | TAL CC |
| Total/NA | Prep | 5030B | | | 1 g | 10 mL | 156517 | 02/23/15 17:00 | KLV | TAL HOU |
| Total/NA | Analysis | 8260B | | 10 | 1 g | 10 mL | 156599 | 02/24/15 15:29 | KLV | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156591 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3510C | | | 200 mL | 2.0 mL | 156643 | 02/24/15 18:41 | SMB | TAL HOU |
| TCLP | Analysis | 8270C | | 10 | 200 mL | 2.0 mL | 156707 | 02/25/15 16:38 | KP1 | TAL HOU |

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3580A | | | 1.09 g | 10.00 mL | 156603 | 02/24/15 10:46 | MRA | TAL HOU |
| Total/NA | Analysis | 8270C | | 10 | 1.09 g | 10.00 mL | 156579 | 02/24/15 14:17 | KP1 | TAL HOU |
| Total/NA | Prep | TX_1005_S_Prep | DL | | 01.00 g | 10.00 mL | 156532 | 02/23/15 12:31 | NVP | TAL HOU |
| Total/NA | Analysis | TX 1005 | DL | 100 | 01.00 g | 10.00 mL | 156513 | 02/24/15 09:28 | RJV | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156591 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3010A | | | 5 mL | 50 mL | 156683 | 02/25/15 09:47 | NER | TAL HOU |
| TCLP | Analysis | 6010B | | 1 | 5 mL | 50 mL | 156747 | 02/25/15 17:03 | DCL | TAL HOU |
| Total/NA | Prep | 3051A | | | 0.521 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.521 g | 100 mL | 230316 | 02/26/15 18:06 | ADN | TAL NSH |
| Total/NA | Prep | 3051A | | | 0.521 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.521 g | 100 mL | 230511 | 02/27/15 15:16 | LEG | TAL NSH |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156591 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 7470A | | | 4 mL | 40 mL | 156674 | 02/25/15 08:31 | SCG | TAL HOU |
| TCLP | Analysis | 7470A | | 1 | 4 mL | 40 mL | 156729 | 02/25/15 14:24 | SCG | TAL HOU |
| Total/NA | Prep | 7471A | | | 0.62 g | 50 mL | 156546 | 02/23/15 15:11 | SCG | TAL HOU |
| Total/NA | Analysis | 7471A | | 1 | 0.62 g | 50 mL | 156557 | 02/23/15 16:28 | TWR | TAL HOU |
| Total/NA | Analysis | 1010 | | 1 | | | 156830 | 02/26/15 06:35 | MJB | TAL HOU |
| Total/NA | Prep | 7.3.4 | | | 10.14 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 9012 | | 1 | 10.14 g | 250 mL | 156814 | 02/26/15 13:58 | EAS | TAL HOU |
| Total/NA | Prep | 9023 | | | 2.02 g | 10 mL | 169857 | 02/27/15 06:38 | TPH | TAL CAN |
| Total/NA | Analysis | 9023 | | 1 | 2.02 g | 10 mL | 169974 | 02/27/15 10:03 | TPH | TAL CAN |
| Total/NA | Prep | 7.3.4 | | | 10.14 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 9034 | | 1 | 10.14 g | 250 mL | 156816 | 02/26/15 14:11 | EAS | TAL HOU |
| Total/NA | Analysis | D1796 | | 1 | 50 mL | 50 mL | 113321 | 02/27/15 14:00 | EDR | TAL CC |

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| TCLP | Leach | 1311 | | | 20.0 g | 400 mL | 113358 | 03/02/15 11:00 | CC56 | TAL CC |
| TCLP | Analysis | 8260B | | 5 | 5 mL | 5 mL | 113408 | 03/03/15 14:12 | RP56 | TAL CC |
| Total/NA | Prep | 5030B | | | 5.07 g | 5 mL | 156890 | 02/27/15 11:15 | WS1 | TAL HOU |
| Total/NA | Analysis | 8260B | | 1 | 5.07 g | 5 mL | 156863 | 02/27/15 14:48 | WS1 | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3510C | | | 200 mL | 1.0 mL | 156643 | 02/24/15 16:11 | SMB | TAL HOU |
| TCLP | Analysis | 8270C | | 1 | 200 mL | 1.0 mL | 156707 | 02/25/15 15:35 | KP1 | TAL HOU |
| Total/NA | Prep | 3546 | | | 15.18 g | 2.0 mL | 156523 | 02/23/15 10:50 | FNC | TAL HOU |
| Total/NA | Analysis | 8270C | | 20 | 15.18 g | 2.0 mL | 156579 | 02/24/15 17:25 | KP1 | TAL HOU |
| Total/NA | Prep | TX_1005_S_Prep | DL | | 10.06 g | 10.00 mL | 156532 | 02/23/15 12:31 | NVP | TAL HOU |
| Total/NA | Analysis | TX 1005 | DL | 10 | 10.06 g | 10.00 mL | 156511 | 02/24/15 10:14 | RJV | TAL HOU |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 3010A | | | 5 mL | 50 mL | 156683 | 02/25/15 09:47 | NER | TAL HOU |
| TCLP | Analysis | 6010B | | 1 | 5 mL | 50 mL | 156747 | 02/25/15 17:13 | DCL | TAL HOU |

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3051A | | | 0.511 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.511 g | 100 mL | 230316 | 02/26/15 18:15 | ADN | TAL NSH |
| Total/NA | Prep | 3051A | | | 0.511 g | 100 mL | 230143 | 02/26/15 11:58 | NJB | TAL NSH |
| Total/NA | Analysis | 6010B | | 1 | 0.511 g | 100 mL | 230511 | 02/27/15 15:20 | LEG | TAL NSH |
| TCLP | Leach | 1311 | | | 1.0 g | 1.0 mL | 156592 | 02/23/15 23:30 | RT1 | TAL HOU |
| TCLP | Prep | 7470A | | | 40 mL | 40 mL | 156674 | 02/25/15 08:31 | SCG | TAL HOU |
| TCLP | Analysis | 7470A | | 1 | 40 mL | 40 mL | 156729 | 02/25/15 13:47 | SCG | TAL HOU |
| Total/NA | Prep | 7471A | | | 0.62 g | 50 mL | 156546 | 02/23/15 15:11 | SCG | TAL HOU |
| Total/NA | Analysis | 7471A | | 1 | 0.62 g | 50 mL | 156557 | 02/23/15 16:46 | TWR | TAL HOU |
| Total/NA | Prep | 7.3.4 | | | 10.10 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 7.4.4 | | 1 | 10.10 g | 250 mL | 156816 | 02/26/15 14:11 | EAS | TAL HOU |
| Total/NA | Prep | 7.3.4 | | | 10.10 g | 250 mL | 156727 | 02/25/15 11:30 | KRD | TAL HOU |
| Total/NA | Analysis | 9012 | | 1 | 10.10 g | 250 mL | 156814 | 02/26/15 13:58 | EAS | TAL HOU |
| Total/NA | Prep | 9023 | | | 2.03 g | 10 mL | 169857 | 02/27/15 06:30 | TPH | TAL CAN |
| Total/NA | Analysis | 9023 | | 1 | 2.03 g | 10 mL | 169974 | 02/27/15 09:17 | TPH | TAL CAN |
| Total/NA | Analysis | 9045C | | 1 | 20 mL | 20 mL | 156743 | 02/25/15 15:40 | KRD | TAL HOU |
| Total/NA | Analysis | D1796 | | 1 | 50 mL | 50 mL | 113321 | 02/27/15 14:00 | EDR | TAL CC |
| Total/NA | Analysis | D92 | | 1 | | | 156830 | 02/26/15 06:35 | MJB | TAL HOU |

Laboratory References:

- TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
- TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673
- TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444
- TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-107025-1

Laboratory: TestAmerica Houston

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Texas | NELAP | 6 | T104704223 | 10-31-15 |

The following analytes are included in this report, but certification is not offered by the governing authority:

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|----------------|--------|---------------------------|
| 7.4.4 | 7.3.4 | Solid | Sulfide, Reactive |
| 8260B | 5030B | Solid | 1,2-Dichloroethene, Total |
| 8260B | 5030B | Waste | 1,2-Dichloroethene, Total |
| 9012 | 7.3.4 | Solid | Cyanide, Reactive |
| 9012 | 7.3.4 | Waste | Cyanide, Reactive |
| 9034 | 7.3.4 | Waste | Sulfide, Reactive |
| D92 | | Solid | Flashpoint |
| TX 1005 | TX_1005_S_Prep | Solid | >C12-C28 |
| TX 1005 | TX_1005_S_Prep | Solid | >C28-C35 |
| TX 1005 | TX_1005_S_Prep | Solid | C6-C12 |
| TX 1005 | TX_1005_S_Prep | Waste | >C12-C28 |
| TX 1005 | TX_1005_S_Prep | Waste | >C28-C35 |
| TX 1005 | TX_1005_S_Prep | Waste | C6-C12 |

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-------------------|---------------|------------|------------------|-----------------|
| California | NELAP | 9 | 01144CA | 06-30-14 * |
| California | State Program | 9 | 2927 | 04-30-15 * |
| Connecticut | State Program | 1 | PH-0590 | 12-31-15 |
| Florida | NELAP | 4 | E87225 | 06-30-15 |
| Georgia | State Program | 4 | N/A | 06-30-15 |
| Illinois | NELAP | 5 | 200004 | 07-31-15 |
| Kansas | NELAP | 7 | E-10336 | 03-31-15 * |
| Kentucky (UST) | State Program | 4 | 58 | 06-30-15 |
| Kentucky (WW) | State Program | 4 | 98016 | 12-31-15 |
| L-A-B | DoD ELAP | | L2315 | 07-18-16 |
| Minnesota | NELAP | 5 | 039-999-348 | 12-31-15 |
| Nevada | State Program | 9 | OH-000482008A | 07-31-15 |
| New Jersey | NELAP | 2 | OH001 | 06-30-15 |
| New York | NELAP | 2 | 10975 | 03-31-15 * |
| Ohio VAP | State Program | 5 | CL0024 | 10-31-15 |
| Pennsylvania | NELAP | 3 | 68-00340 | 08-31-15 |
| Texas | NELAP | 6 | | 08-31-15 |
| USDA | Federal | | P330-13-00319 | 11-26-16 |
| Virginia | NELAP | 3 | 460175 | 09-14-15 |
| Washington | State Program | 10 | C971 | 01-12-16 |
| West Virginia DEP | State Program | 3 | 210 | 12-31-15 |
| Wisconsin | State Program | 5 | 999518190 | 08-31-15 |

Laboratory: TestAmerica Corpus Christi

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Texas | NELAP | 6 | T104704210 | 03-31-15 |

* Certification renewal pending - certification considered valid.

Certification Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . – Houston

TestAmerica Job ID: 600-107025-1

Laboratory: TestAmerica Corpus Christi (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Texas | NELAP | 6 | T104704210 | 03-31-15 |

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------|
|-----------------|-------------|--------|---------|

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Texas | NELAP | 6 | T104704077 | 08-31-15 |

The following analytes are included in this report, but certification is not offered by the governing authority:

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------|
| 6010B | 3051A | Solid | Sulfur |
| 6010B | 3051A | Waste | Sulfur |

6310 Rodway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



| | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|--|--|-------------------------------|------------------------------------|------------------------|-------------------------------------|-------------------------------------|----------|-----------|-------------------------|-----|----------|-----------|------------|-----------------------------|--------------|----|----------------------------|---|
| Client Information | | Client Contact: <u>Daniel Tighe</u> | Lab Pk: <u>101</u> | Carrier Tracking No.: | | | | | | | | | | | | | | | | |
| Company: <u>CS&I Federal Services LLC</u> | | Phone: <u>409-446-8408</u> | E-Mail: <u>dian.joier@testamericainc.com</u> | | | | | | | | | | | | | | | | | |
| Address: <u>PO BOX 98519</u> | | City: <u>Baton Rouge</u> | State: <u>LA</u> Zip: <u>70894</u> | | | | | | | | | | | | | | | | | |
| Phone: <u>409-446-8408</u> | | PO #: <u>409-446-8408</u> | Purchase Order Requested | | | | | | | | | | | | | | | | | |
| Email: <u>dian.joier@cs&i.federalservices.com</u> | | W/O #: | Contract ER-S9-07-02 Task Order 62 | | | | | | | | | | | | | | | | | |
| Site: <u>CS&I Federal Services LLC - Houston</u> | | 231 Project #: | SSON#: | | | | | | | | | | | | | | | | | |
| Site: <u>CS&I Environmental</u> | | Due Date Requested: <u>02-27-2015</u> | | | | | | | | | | | | | | | | | | |
| | | TAT Requested (days): <u>5</u> W/D Level 2 <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| Sample Identification | | Sample Date | Sample Time | Sample Type (G-Comb, G-Graph) | Matrix (Organic, Inorganic, Other) | Preservation Code: | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | TCLP VOA | TCLP SVOA | TCLP Metals RCRA and Na | RCI | TPH, TOX | Total VOA | Total SVOA | Total Metals + Sulphur + Na | TSS, % Water | pH | Total Number of containers | |
| <u>ST 6 - Comp - 02/19/15</u> | <u>02/19/2015</u> | <u>1245</u> | <u>0</u> | <u>Sludge</u> | <u>Sludge</u> | <u>02-19-2015-1485</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | X | X | X | X | X | X | X | X | X | 2 |
| <u>ST 5 - Comp - 02/19/15</u> | <u>02/19/2015</u> | <u>1485</u> | <u>0</u> | <u>Sludge</u> | <u>Sludge</u> | <u>02-19-2015-1335</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | X | X | X | X | X | X | X | X | X | 2 |
| <u>ST 1 - 02/19/15</u> | <u>02-19-2015</u> | <u>1341</u> | <u>0</u> | <u>Liquid</u> | <u>Liquid</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | X | X | X | X | X | X | X | X | X | 1 |



Loc: 600
107025

- Preservation Codes:
- A - HCl
 - B - NaOH
 - C - Zn Acetate
 - D - Nitric Acid
 - E - NaHSO4
 - F - NaOH
 - G - Ammonia
 - H - Ascorbic Acid
 - I - Ice
 - J - DI Water
 - K - EDTA
 - L - EDTA
 - M - Hexane
 - N - None
 - O - AsH2O2
 - P - Na2CO3
 - Q - Na2SO3
 - R - Na2S2O8
 - S - H2SO4
 - T - TSP Dodecylsulfate
 - U - Ascorbic Acid
 - V - MCAA
 - W - pH 4.5
 - Z - other (specify)

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological Other (Specify) ST 1 Skin Irritant

Deliverable Requested: I, II, III, IV, Other (Specify)

Empty Kit Requisitioned by: _____ Date: _____

Requisitioned by: [Signature] Date/Time: 2/19/2015 16:25 Company: CS&I

Requisitioned by: _____ Date/Time: _____ Company: _____

Requisitioned by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: A Yes A No Custody Seal No.:

Special Instructions/QC Requirements:

Method of Shipment:

Revised by: [Signature] Date/Time: 2/19/15 17:47 Company: CS&I

Revised by: _____ Date/Time: _____ Company: _____

Revised by: _____ Date/Time: _____ Company: _____

Disposal By Lab: _____ Archive For _____ Months

Sample Receipt Checklist

Loc: 600
107025

Date/Time Received: _____

JOB NUMBER: _____

CLIENT: CB&I

UNPACKED BY: DL

CARRIER/DRIVER: Apple

Custody Seal Present: YES NO

Number of Coolers Received: 1

| Cooler ID | Temp Blank | Trip Blank | Observed Temp (°C) | Therm ID | Therm CF | Corrected Temp (°C) |
|-----------|------------|------------|--------------------|------------|-------------|---------------------|
| <u>BW</u> | Y / N | Y / N | <u>1.4</u> | <u>549</u> | <u>-0.3</u> | <u>1.1</u> |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |
| | Y / N | Y / N | | | | |

CF = correction factor

Samples received on ice? YES NO

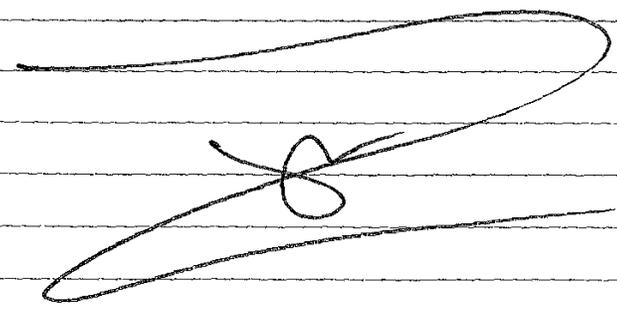
LABORATORY PRESERVATION OF SAMPLES REQUIRED: NO YES

Base samples are >pH 12: YES NO Acid preserved are <pH 2: YES NO

pH paper Lot # Solid Waste Samples

VOA headspace acceptable (5-6mm): YES NO N/A

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? YES NO

COMMENTS:


Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Source: TestAmerica Houston

List Number: 1

Creator: Sundquist, Sean V

| Question | Answer | Comment |
|--|--------|---|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | 549 |
| Cooler Temperature is recorded. | True | 1.1 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | Check done at department level as required. |



Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Number: 5

Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi

List Creation: 02/26/15 06:04 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Number: 6

Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi

List Creation: 02/26/15 06:05 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Number: 2

Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

List Creation: 02/26/15 11:01 AM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | -0.2C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Number: 3

Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

List Creation: 02/26/15 11:05 AM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | -0.2C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

